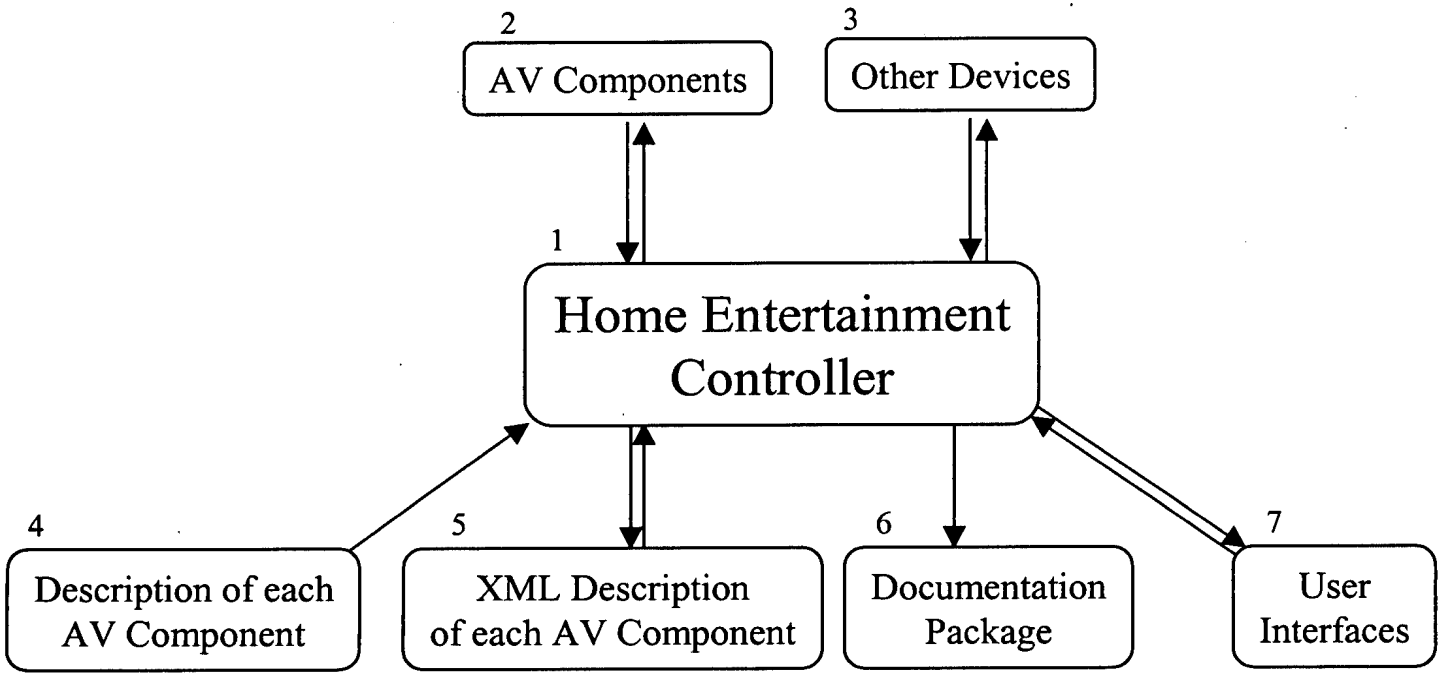

2
AV Components
3
Other Devices
1
Home Entertainment Controller
4
Description of each AV Component
5
XML Description of each AV Component
6
Documentation Package
7
User Interfaces

Figure 1

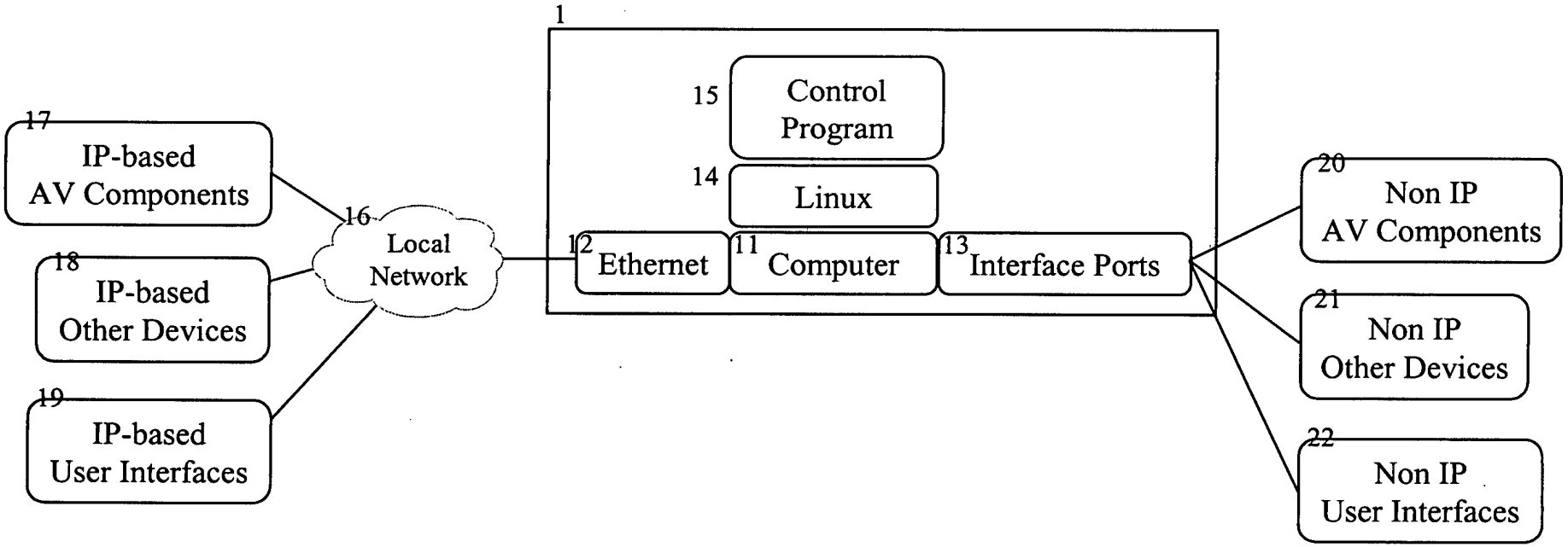

1
15
Control Program
14
Linux
12
Ethernet
11
Computer
13
Interface Ports
17
IP-based AV Components
18
IP-based Other Devices
19
IP-based User Interfaces
16
Local Network
20
Non IP AV Components
21
Non IP Other Devices
22
Non IP User Interfaces

Figure 2

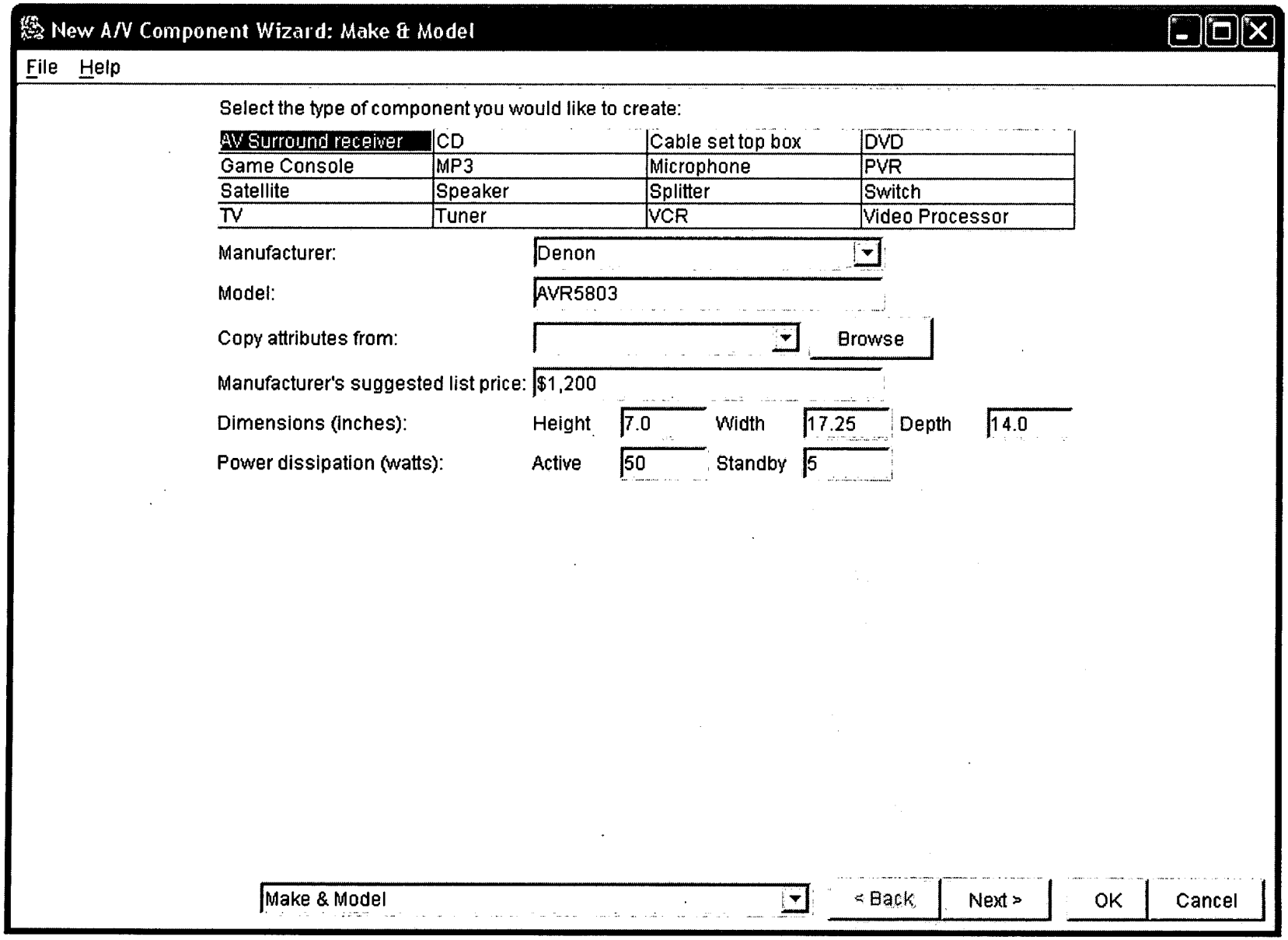

New A/V Component Wizard: Make & Model
File
Help
Select the type of component you would like to create:
AV Surround receiver
CD
Cable set top box
DVD
Game Console
MP3
Microphone
PVR
Satellite
Speaker
Splitter
Switch
TV
Tuner
VCR
Video Processor
Manufacturer:
Denon
Model:
AVR5803
Copy attributes from:
Browse
Manufacturer's suggested list price:
$1,200
Dimensions (inches):
Height
7.0
Width
17.25
Depth
14.0
Power dissipation (watts):
Active
50
Standby
5
Make & Model
< Back
Next >
OK
Cancel

Figure 3

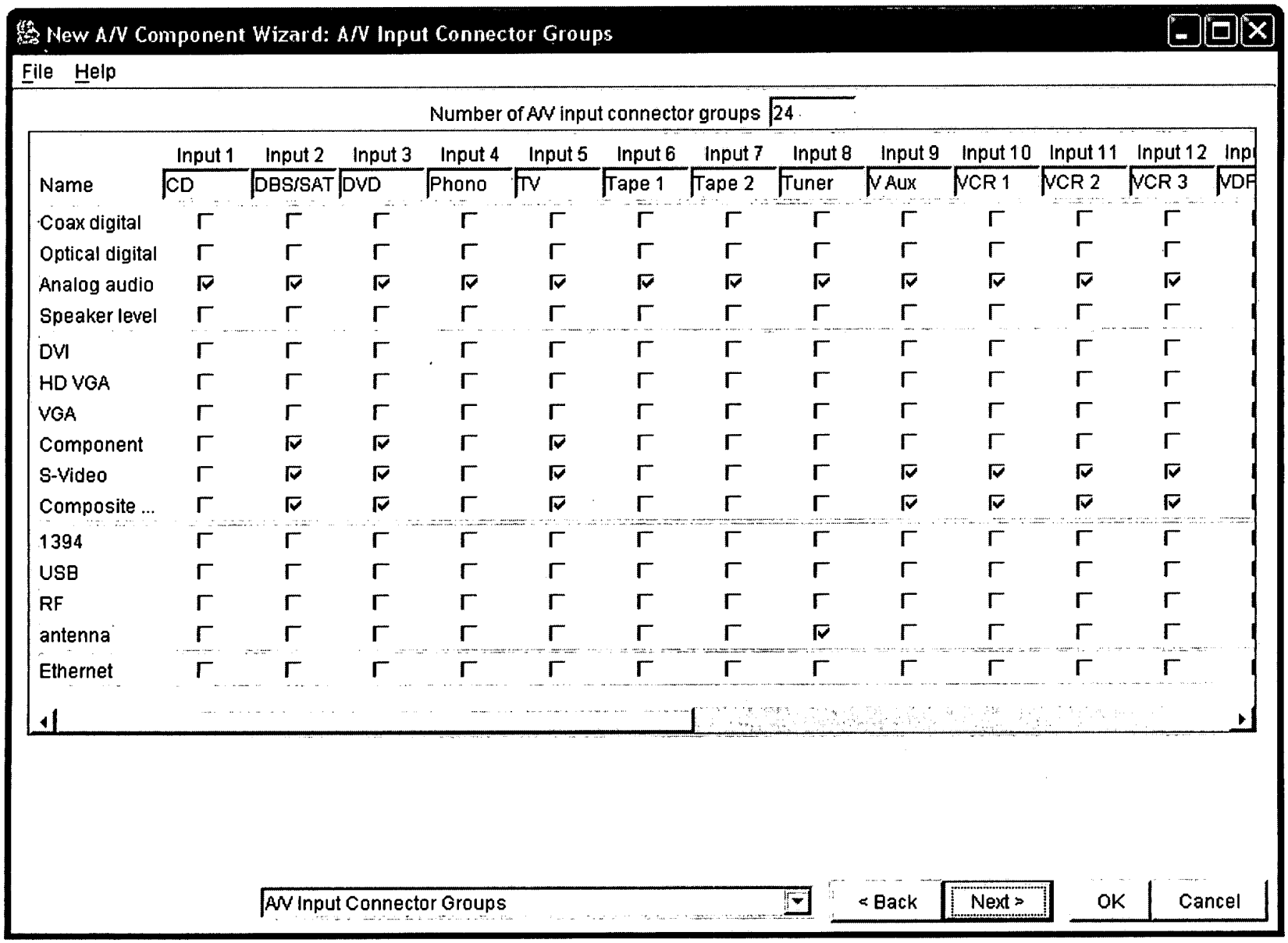

New A/V Component Wizard: A/V Input Connector Groups
File Help
Number of A/V input connector groups 24
Input 1 Input 2 Input 3 Input 4 Input 5 Input 6 Input 7 Input 8 Input 9 Input 10 Input 11 Input 12
Name CD DBS/SAT DVD Phono TV Tape 1 Tape 2 Tuner V Aux VCR 1 VCR 2 VCR 3
Coax digital
Optical digital
Analog audio
Speaker level
DVI
HD VGA
VGA
Component
S-Video
Composite ...
1394
USB
RF
antenna
Ethernet
A/V Input Connector Groups
< Back
Next >
OK
Cancel

Figure 4

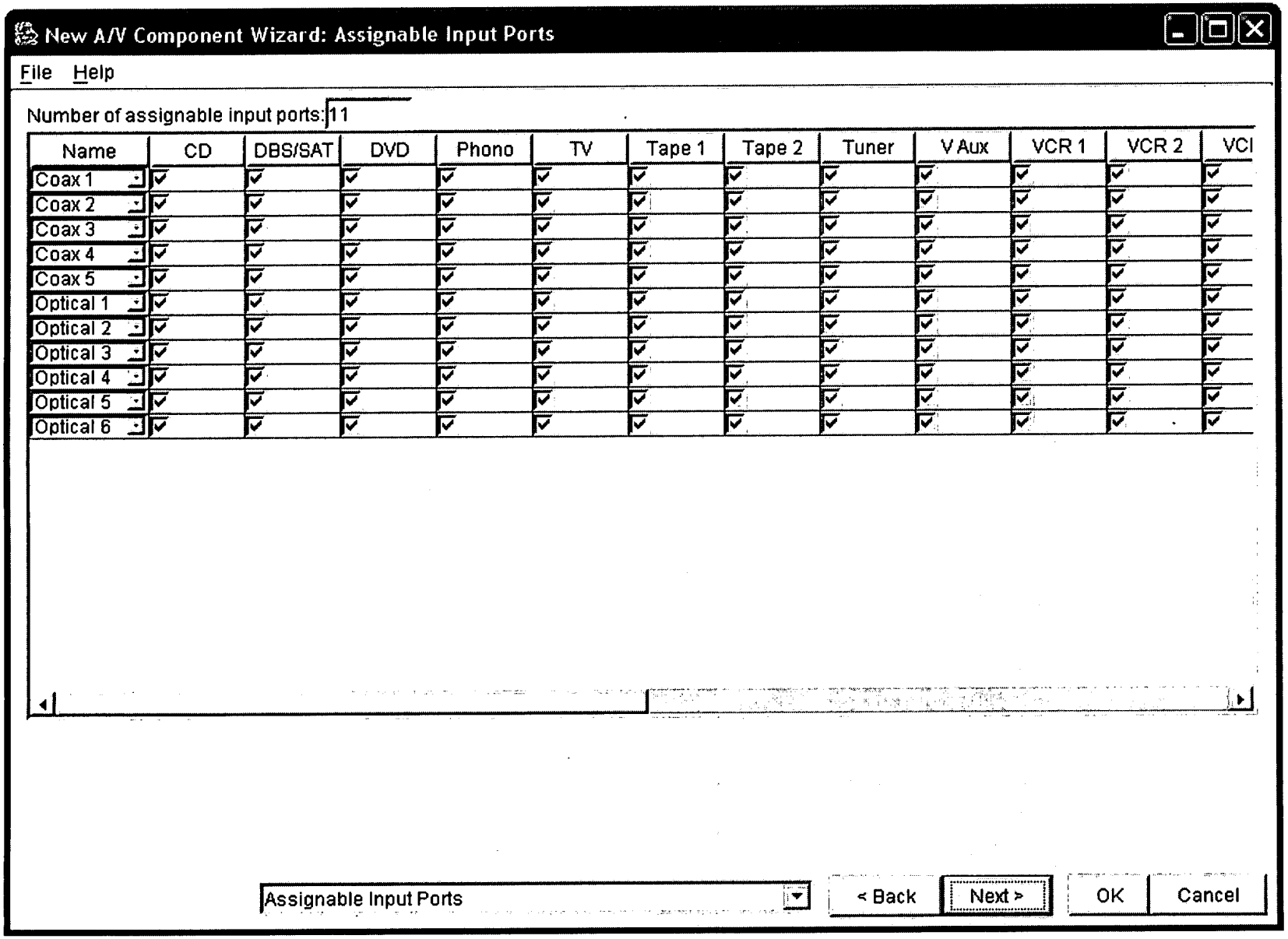

New A/V Component Wizard: Assignable Input Ports
File Help
Number of assignable input ports: 11
Name
CD
DBS/SAT
DVD
Phono
TV
Tape 1
Tape 2
Tuner
V Aux
VCR 1
VCR 2
VCI
Coax 1
Coax 2
Coax 3
Coax 4
Coax 5
Optical 1
Optical 2
Optical 3
Optical 4
Optical 5
Optical 6
Assignable Input Ports
< Back
Next >
OK
Cancel

Figure 5

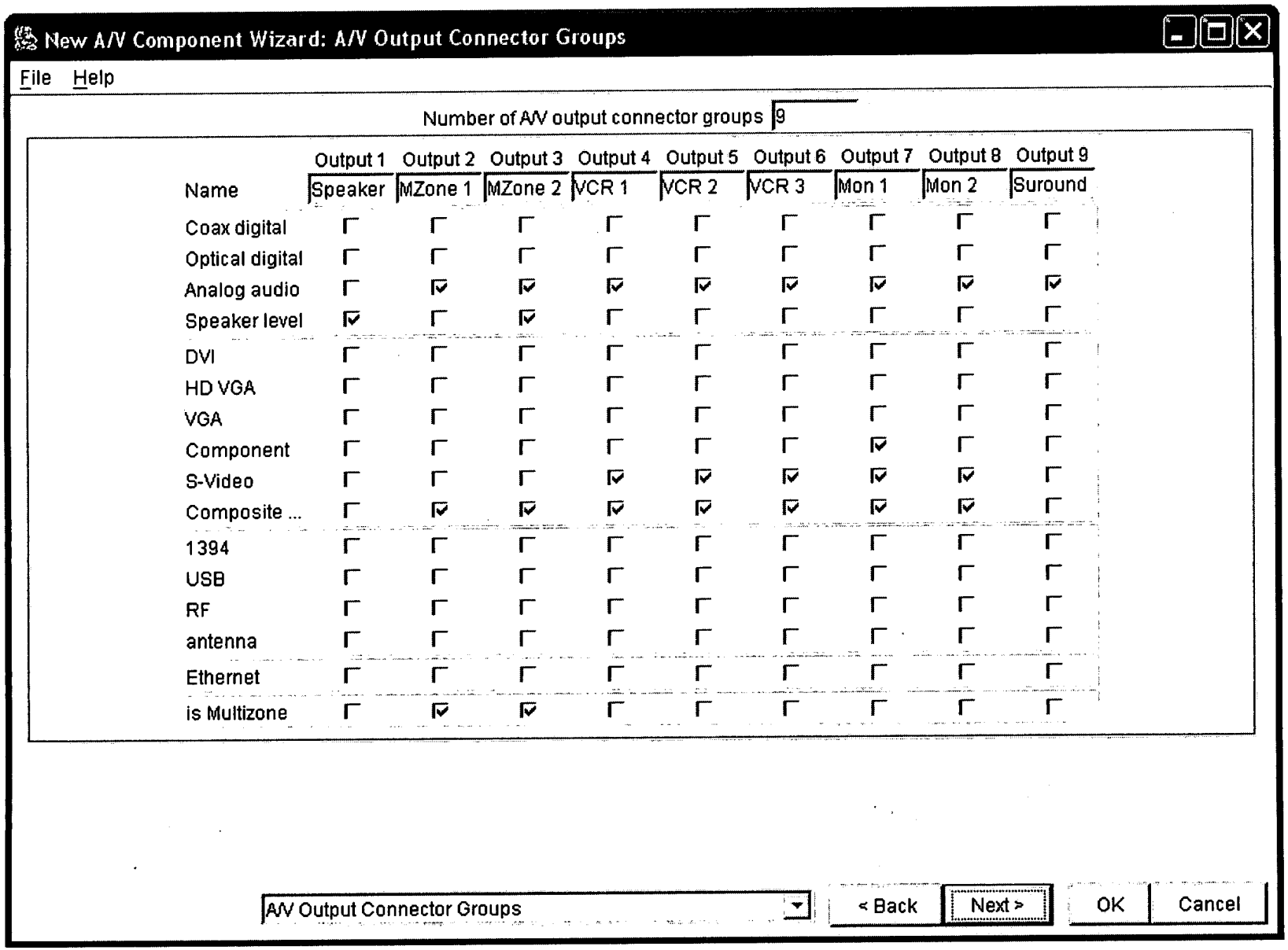

New A/V Component Wizard: A/V Output Connector Groups
File Help
Number of A/V output connector groups 9
Name
Output 1 Speaker
Output 2 MZone 1
Output 3 MZone 2
Output 4 VCR 1
Output 5 VCR 2
Output 6 VCR 3
Output 7 Mon 1
Output 8 Mon 2
Output 9 Suround
Coax digital
Optical digital
Analog audio
Speaker level
DVI
HD VGA
VGA
Component
S-Video
Composite ...
1394
USB
RF
antenna
Ethernet
is Multizone
A/V Output Connector Groups
< Back
Next >
OK
Cancel

Figure 6

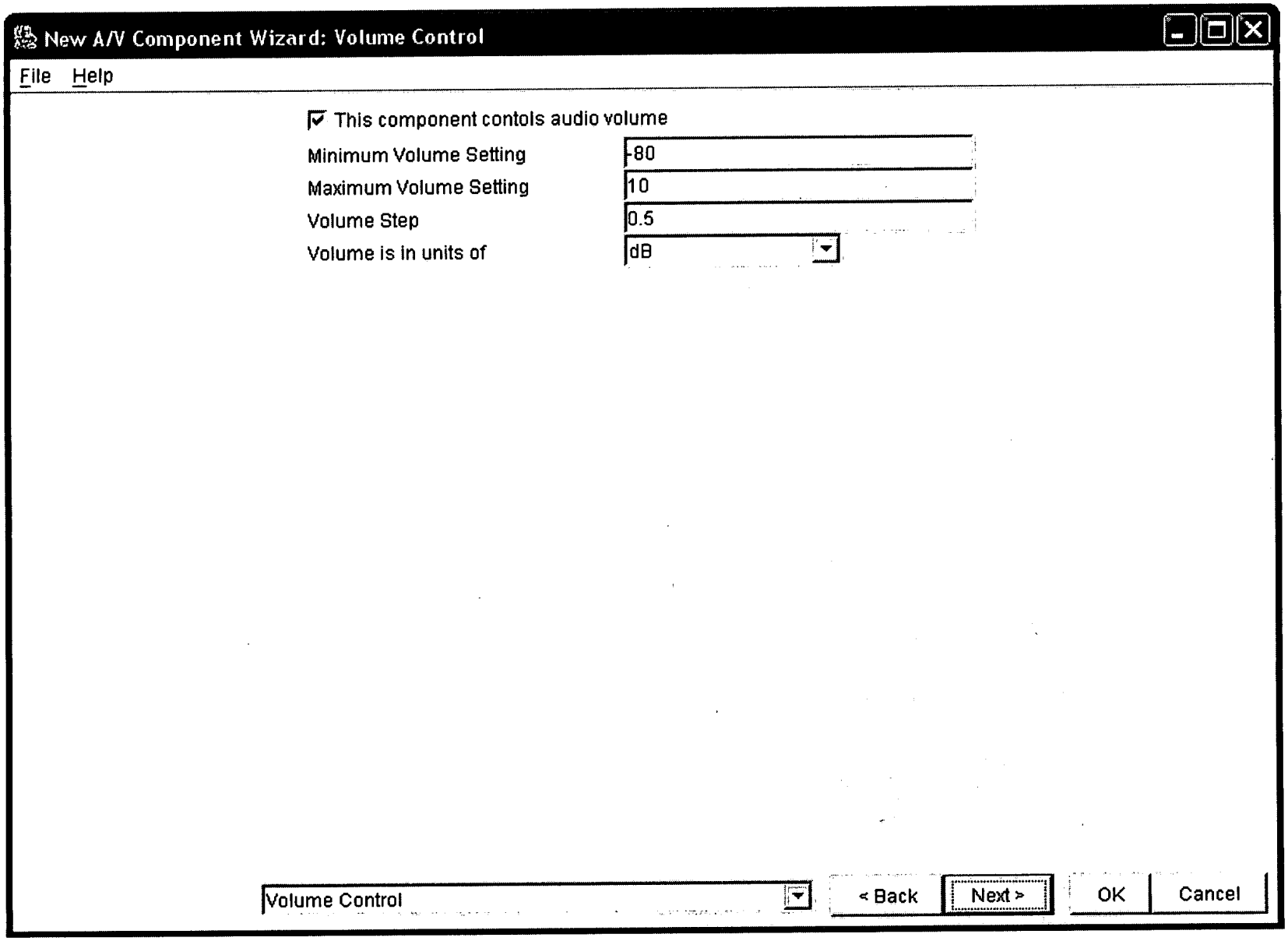

New A/V Component Wizard: Volume Control
File
Help
This component contols audio volume
Minimum Volume Setting
-80
Maximum Volume Setting
10
Volume Step
0.5
Volume is in units of
dB
Volume Control
< Back
Next >
OK
Cancel

Figure 7

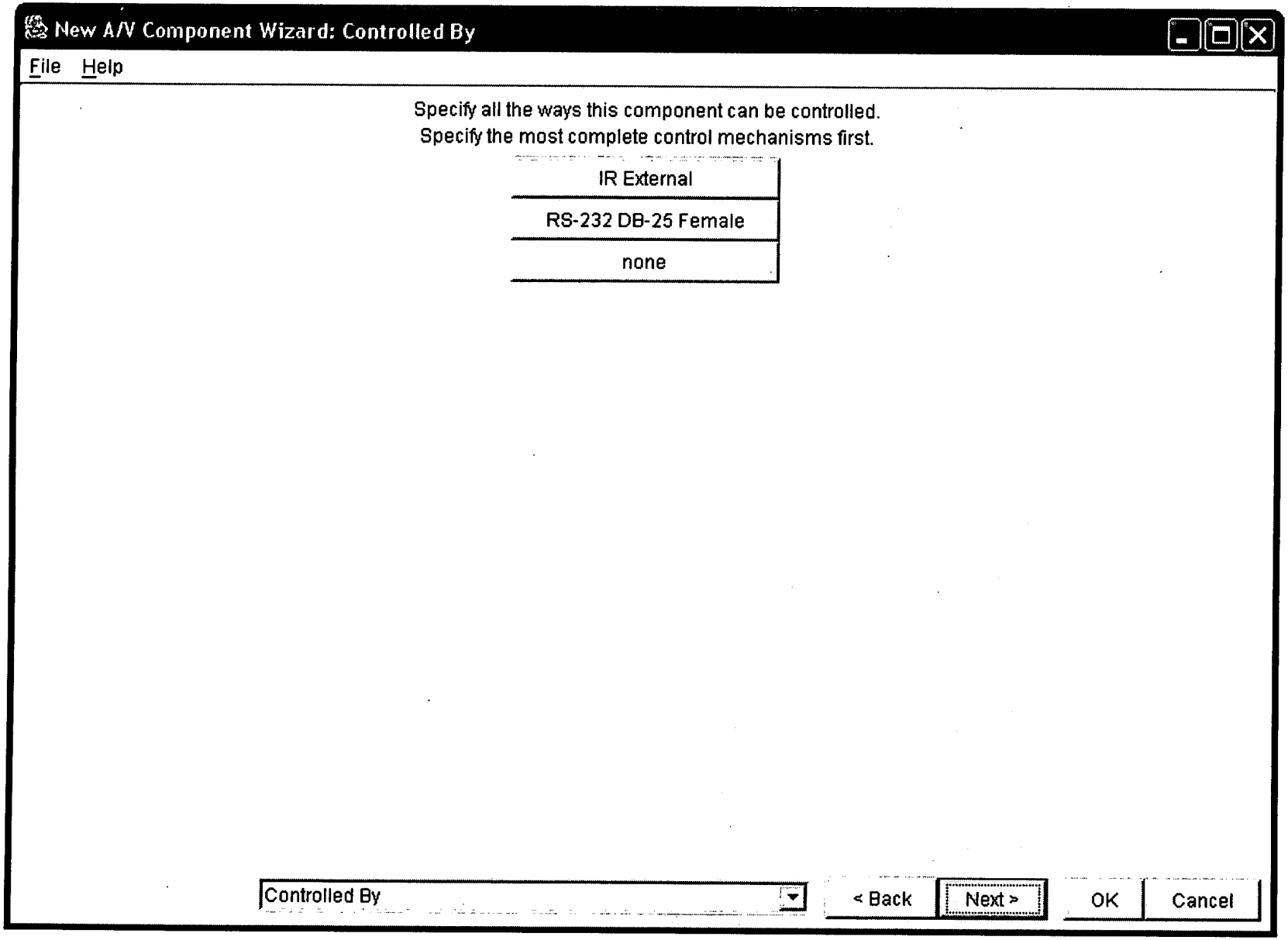

New A/V Component Wizard: Controlled By
File
Help
Specify all the ways this component can be controlled.
Specify the most complete control mechanisms first.
IR External
RS-232 DB-25 Female
none
Controlled By
< Back
Next >
OK
Cancel

Figure 8

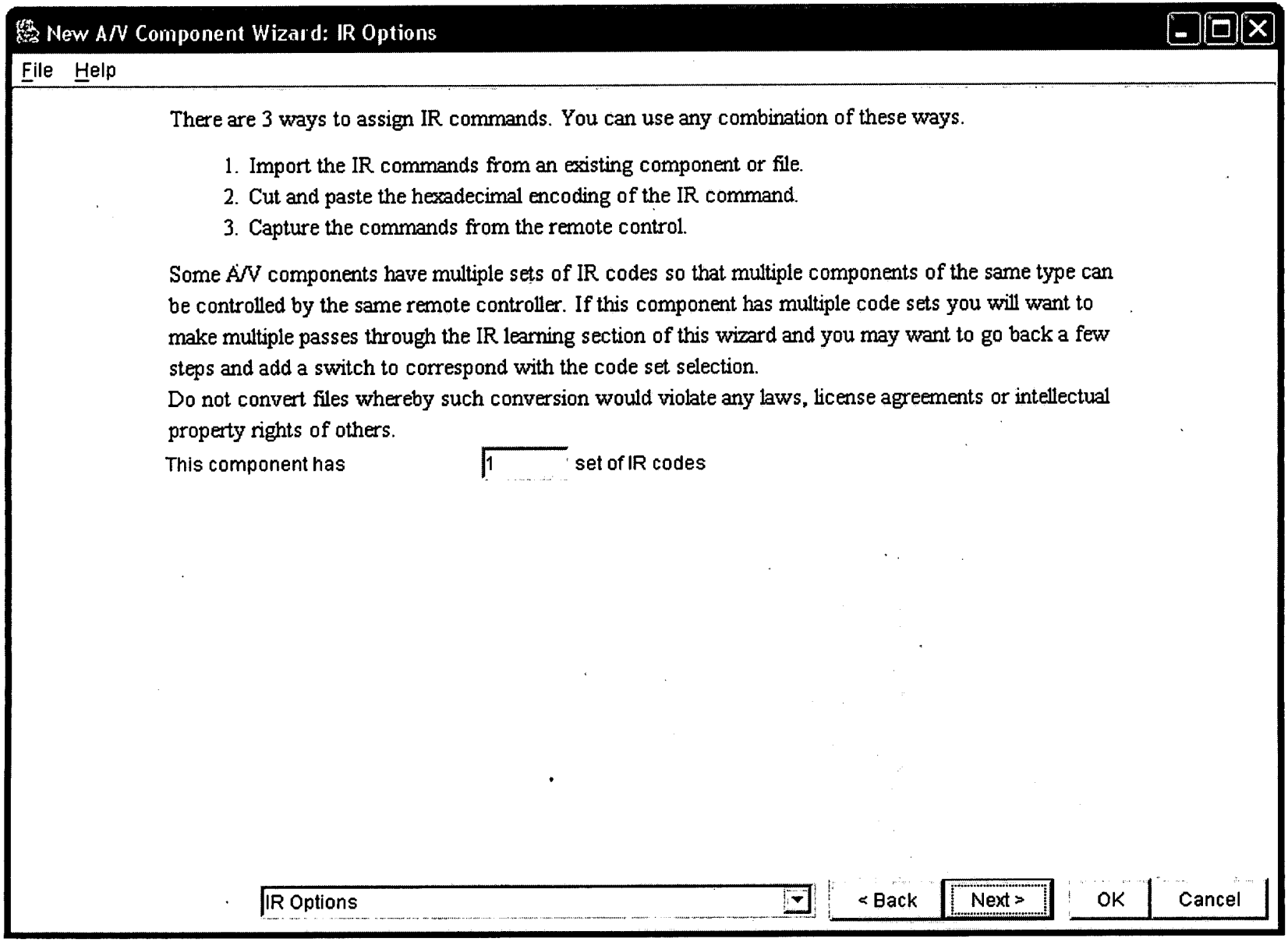

New A/V Component Wizard: IR Options
File Help
There are 3 ways to assign IR commands. You can use any combination of these ways.
1. Import the IR commands from an existing component or file.
2. Cut and paste the hexadecimal encoding of the IR command.
3. Capture the commands from the remote control.
Some A/V components have multiple sets of IR codes so that multiple components of the same type can be controlled by the same remote controller. If this component has multiple code sets you will want to make multiple passes through the IR learning section of this wizard and you may want to go back a few steps and add a switch to correspond with the code set selection.
Do not convert files whereby such conversion would violate any laws, license agreements or intellectual property rights of others.
This component has
1
set of IR codes
IR Options
< Back
Next >
OK
Cancel

Figure 9

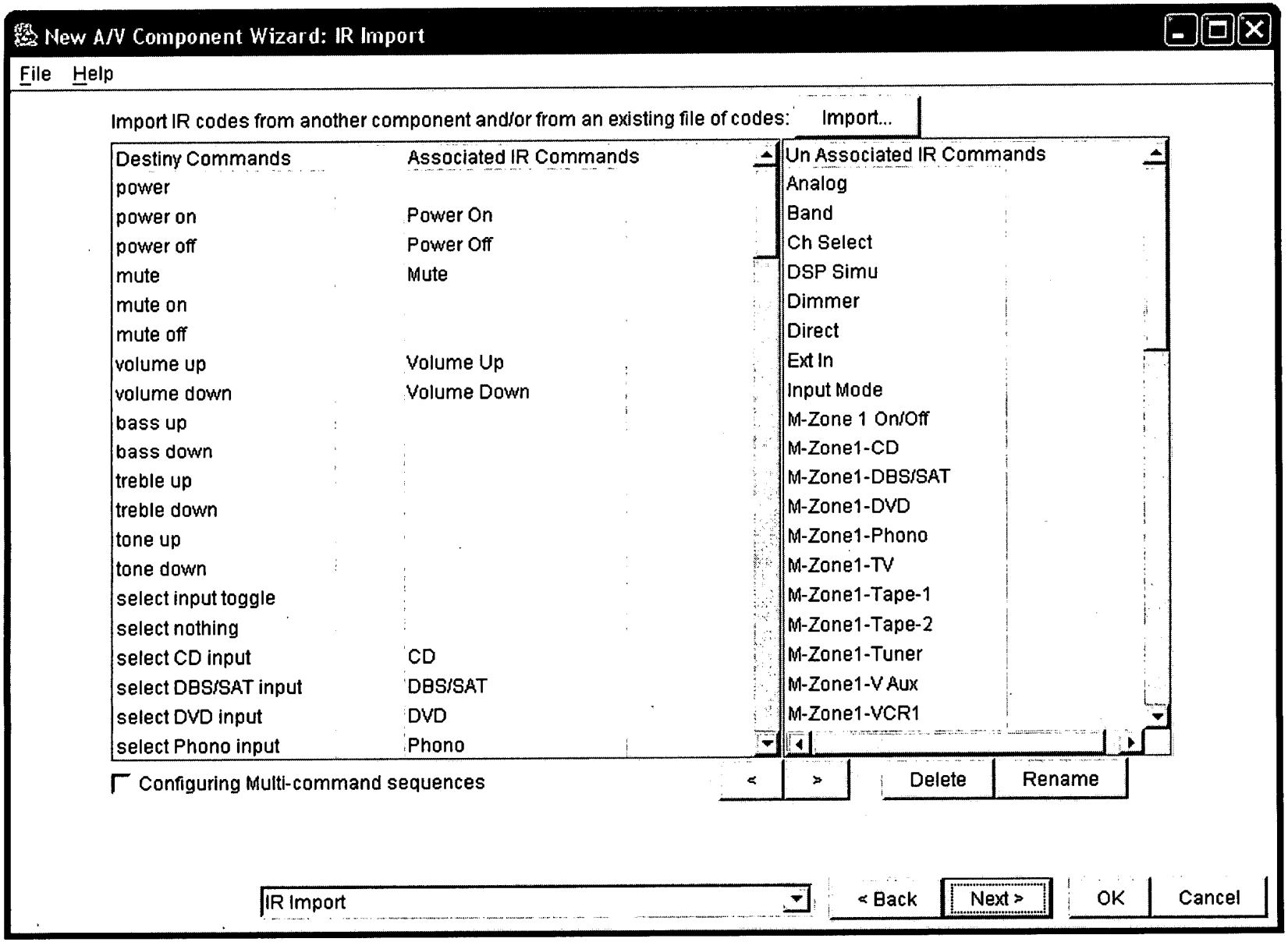

New A/V Component Wizard: IR Import
File
Help
Import IR codes from another component and/or from an existing file of codes:
Import...
Destiny Commands
Associated IR Commands
power
power on
Power On
power off
Power Off
mute
Mute
mute on
mute off
volume up
Volume Up
volume down
Volume Down
bass up
bass down
treble up
treble down
tone up
tone down
select input toggle
select nothing
select CD input
CD
select DBS/SAT input
DBS/SAT
select DVD input
DVD
select Phono input
Phono
Un Associated IR Commands
Analog
Band
Ch Select
DSP Simu
Dimmer
Direct
Ext In
Input Mode
M-Zone 1 On/Off
M-Zone1-CD
M-Zone1-DBS/SAT
M-Zone1-DVD
M-Zone1-Phono
M-Zone1-TV
M-Zone1-Tape-1
M-Zone1-Tape-2
M-Zone1-Tuner
M-Zone1-V Aux
M-Zone1-VCR1
Configuring Multi-command sequences
<
>
Delete
Rename
IR Import
< Back
Next >
OK
Cancel

Figure 10

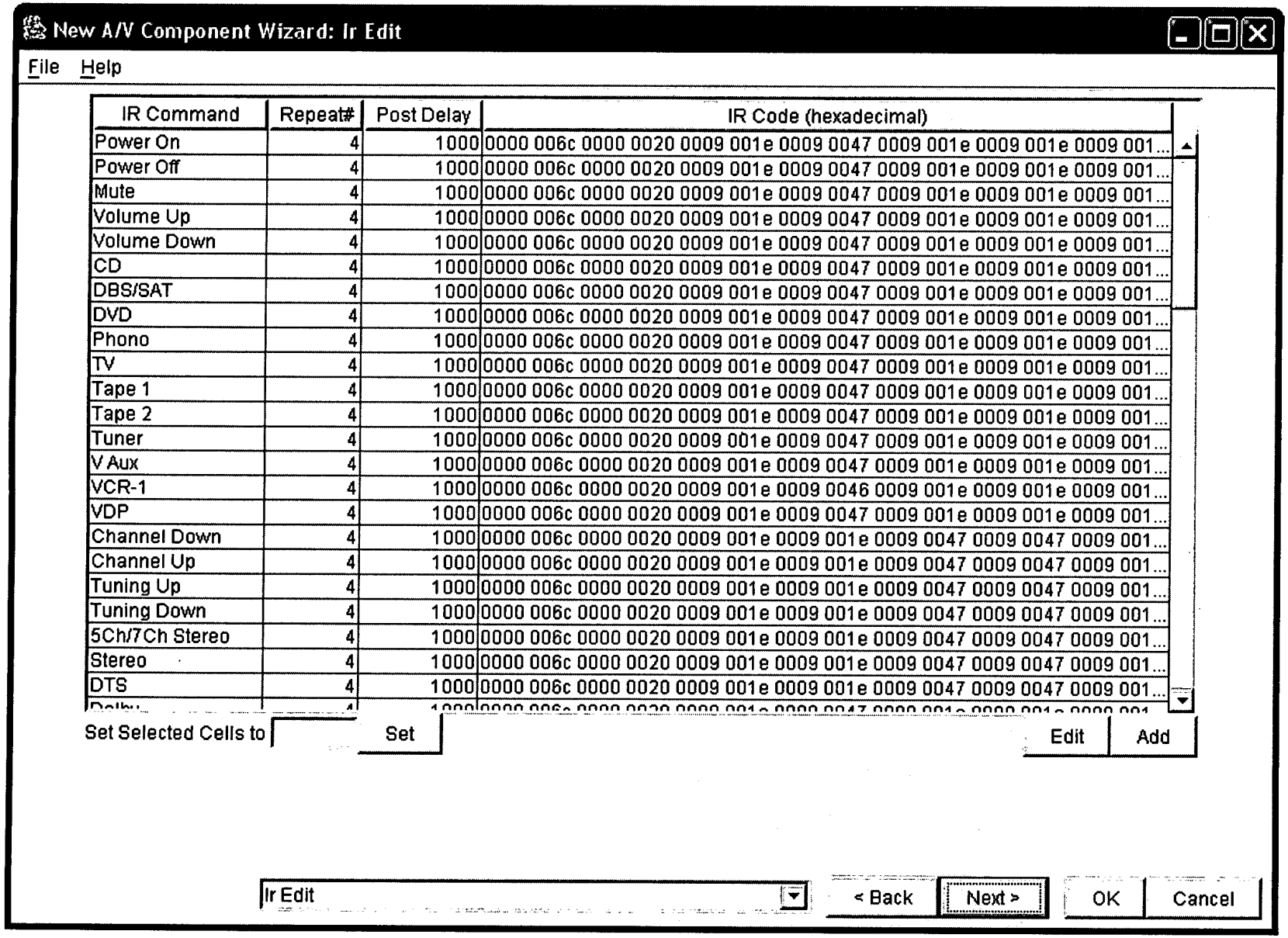

New A/V Component Wizard: Ir Edit
File
Help
IR Command
Repeat#
Post Delay
IR Code (hexadecimal)
Power On 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
Power Off 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
Mute 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
Volume Up 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
Volume Down 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
CD 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
DBS/SAT 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
DVD 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
Phono 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
TV 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
Tape 1 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
Tape 2 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
Tuner 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
V Aux 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
VCR-1 4 1000 0000 006c 0000 0020 0009 001e 0009 0046 0009 001e 0009 001e 0009 001...
VDP 4 1000 0000 006c 0000 0020 0009 001e 0009 0047 0009 001e 0009 001e 0009 001...
Channel Down 4 1000 0000 006c 0000 0020 0009 001e 0009 001e 0009 0047 0009 0047 0009 001...
Channel Up 4 1000 0000 006c 0000 0020 0009 001e 0009 001e 0009 0047 0009 0047 0009 001...
Tuning Up 4 1000 0000 006c 0000 0020 0009 001e 0009 001e 0009 0047 0009 0047 0009 001...
Tuning Down 4 1000 0000 006c 0000 0020 0009 001e 0009 001e 0009 0047 0009 0047 0009 001...
5Ch/7Ch Stereo 4 1000 0000 006c 0000 0020 0009 001e 0009 001e 0009 0047 0009 0047 0009 001...
Stereo 4 1000 0000 006c 0000 0020 0009 001e 0009 001e 0009 0047 0009 0047 0009 001...
DTS 4 1000 0000 006c 0000 0020 0009 001e 0009 001e 0009 0047 0009 0047 0009 001...
Set Selected Cells to
Set
Edit
Add
Ir Edit
< Back
Next >
OK
Cancel

Figure 11

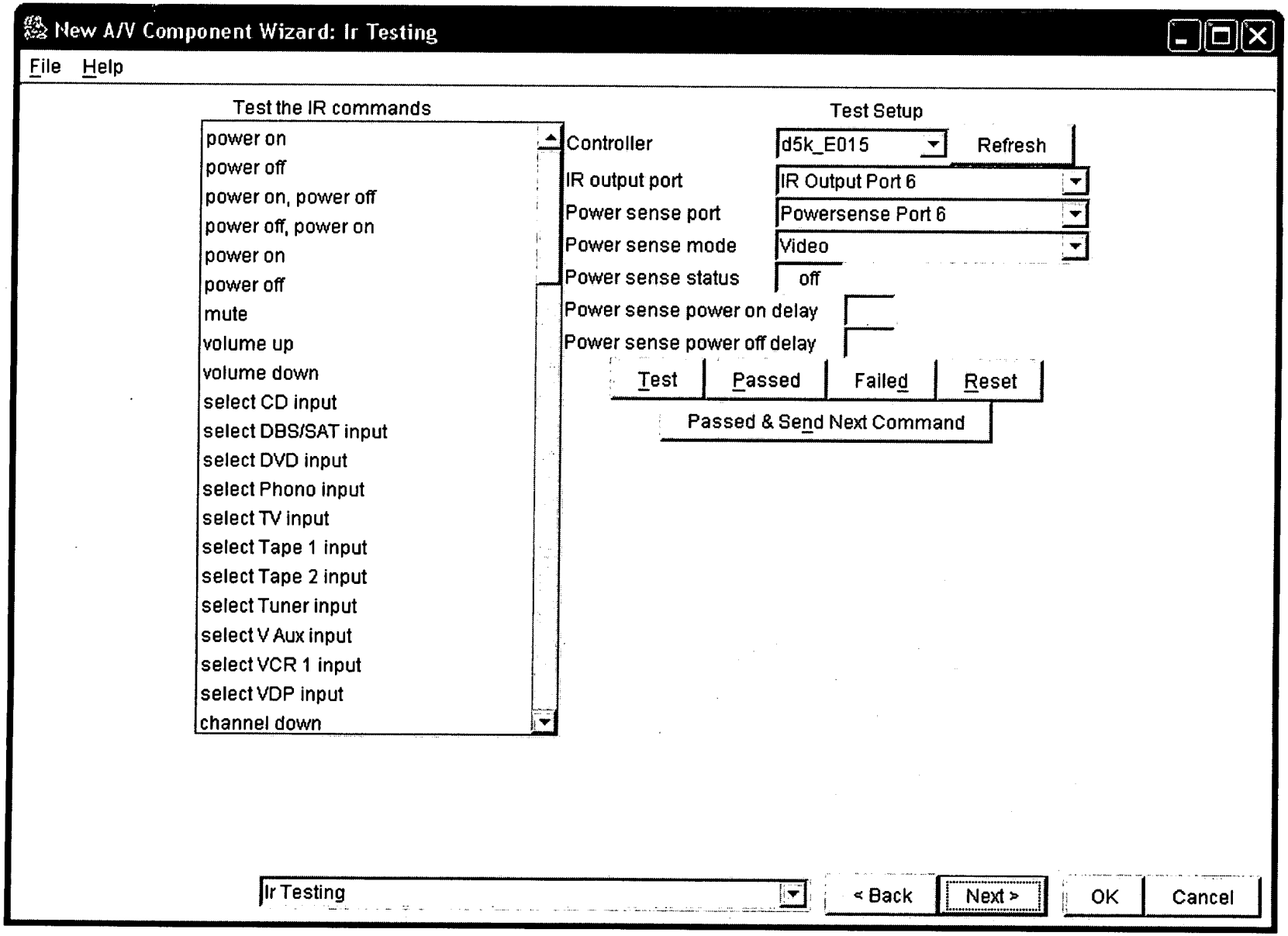

New A/V Component Wizard: Ir Testing
File
Help
Test the IR commands
power on
power off
power on, power off
power off, power on
power on
power off
mute
volume up
volume down
select CD input
select DBS/SAT input
select DVD input
select Phono input
select TV input
select Tape 1 input
select Tape 2 input
select Tuner input
select V Aux input
select VCR 1 input
select VDP input
channel down
Test Setup
Controller
d5k_E015
Refresh
IR output port
IR Output Port 6
Power sense port
Powersense Port 6
Power sense mode
Video
Power sense status
off
Power sense power on delay
Power sense power off delay
Test
Passed
Failed
Reset
Passed & Send Next Command
Ir Testing
< Back
Next >
OK
Cancel

Figure 12

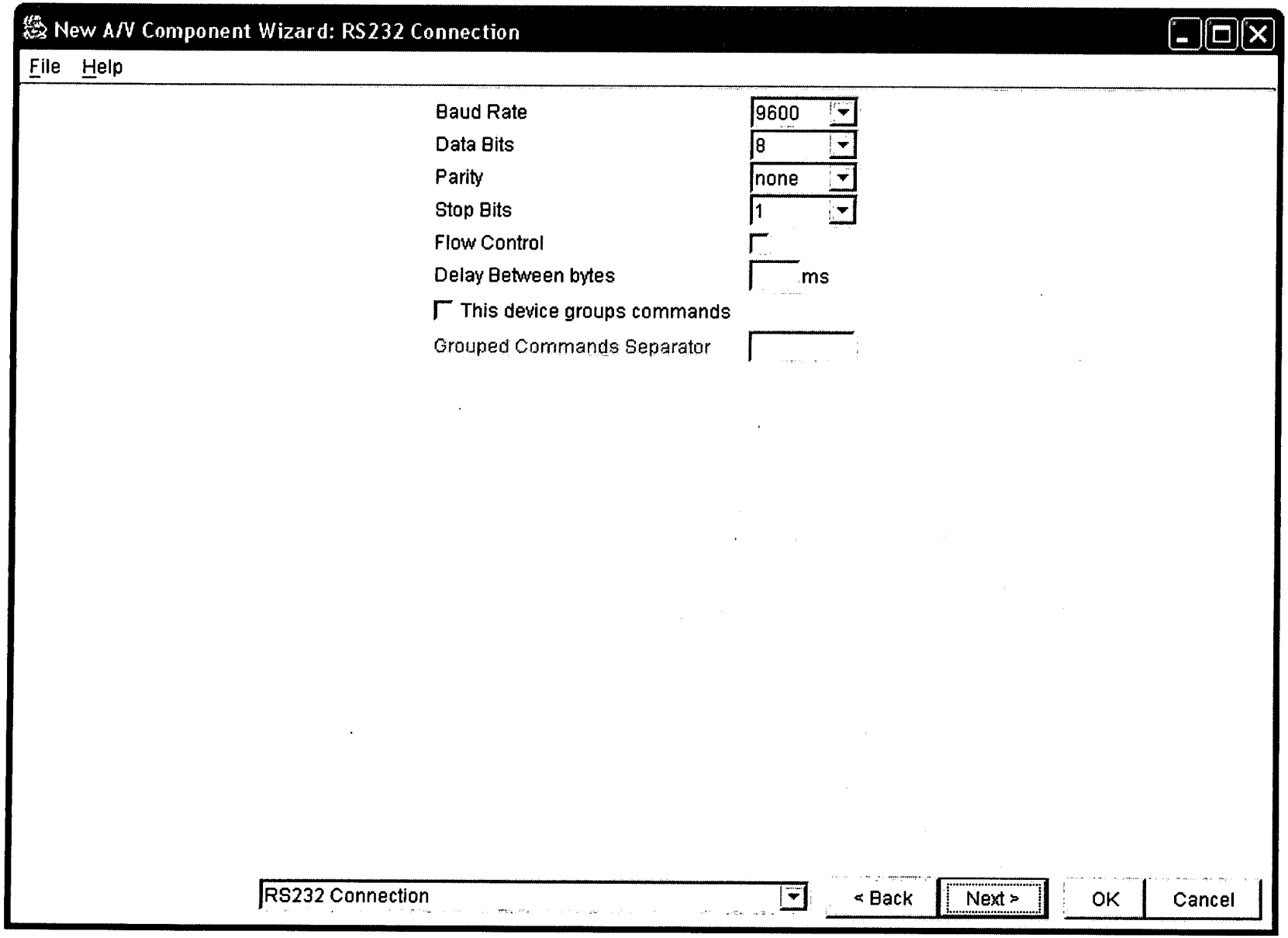

New A/V Component Wizard: RS232 Connection
File
Help
Baud Rate
9600
Data Bits
8
Parity
none
Stop Bits
1
Flow Control
Delay Between bytes
ms
This device groups commands
Grouped Commands Separator
RS232 Connection
< Back
Next >
OK
Cancel

Figure 13

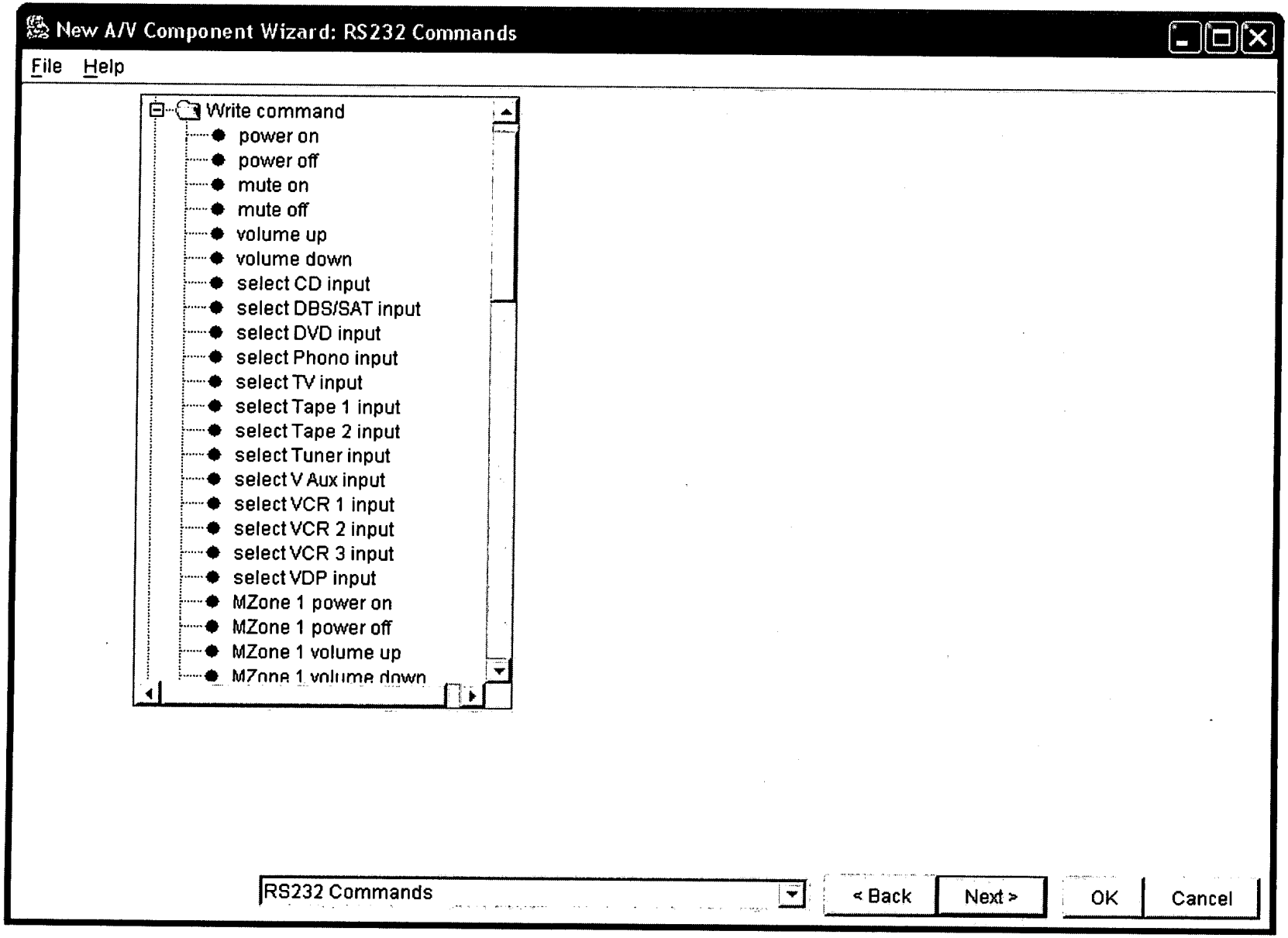

New A/V Component Wizard: RS232 Commands
File
Help
Write command
power on
power off
mute on
mute off
volume up
volume down
select CD input
select DBS/SAT input
select DVD input
select Phono input
select TV input
select Tape 1 input
select Tape 2 input
select Tuner input
select V Aux input
select VCR 1 input
select VCR 2 input
select VCR 3 input
select VDP input
MZone 1 power on
MZone 1 power off
MZone 1 volume up
MZone 1 volume down
RS232 Commands
< Back
Next >
OK
Cancel

Figure 14

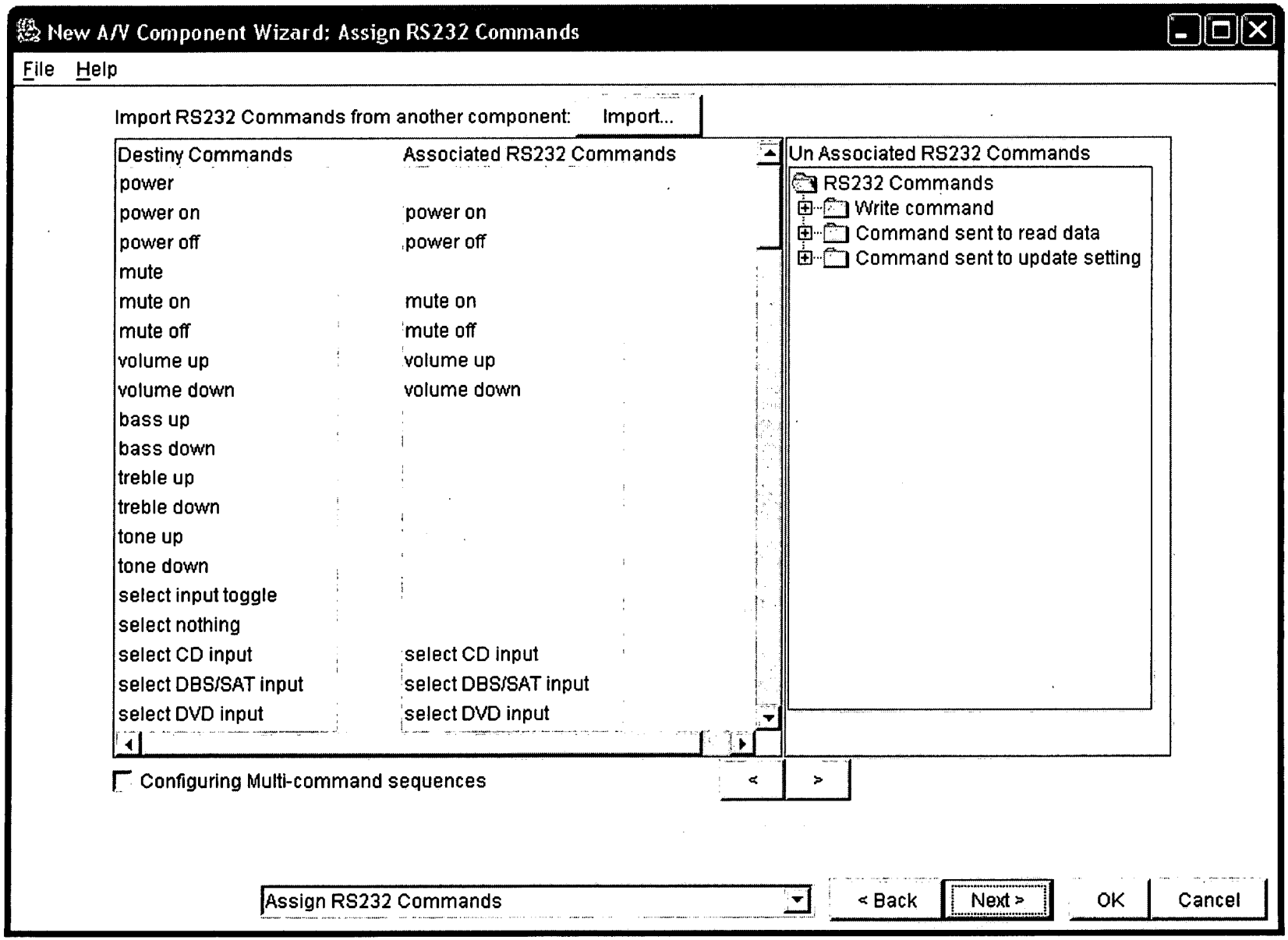

New A/V Component Wizard: Assign RS232 Commands
File
Help
Import RS232 Commands from another component:
Import...
Destiny Commands
Associated RS232 Commands
power
power on
power on
power off
power off
mute
mute on
mute on
mute off
mute off
volume up
volume up
volume down
volume down
bass up
bass down
treble up
treble down
tone up
tone down
select input toggle
select nothing
select CD input
select CD input
select DBS/SAT input
select DBS/SAT input
select DVD input
select DVD input
Un Associated RS232 Commands
RS232 Commands
Write command
Command sent to read data
Command sent to update setting
Configuring Multi-command sequences
<
>
Assign RS232 Commands
< Back
Next >
OK
Cancel

Figure 15

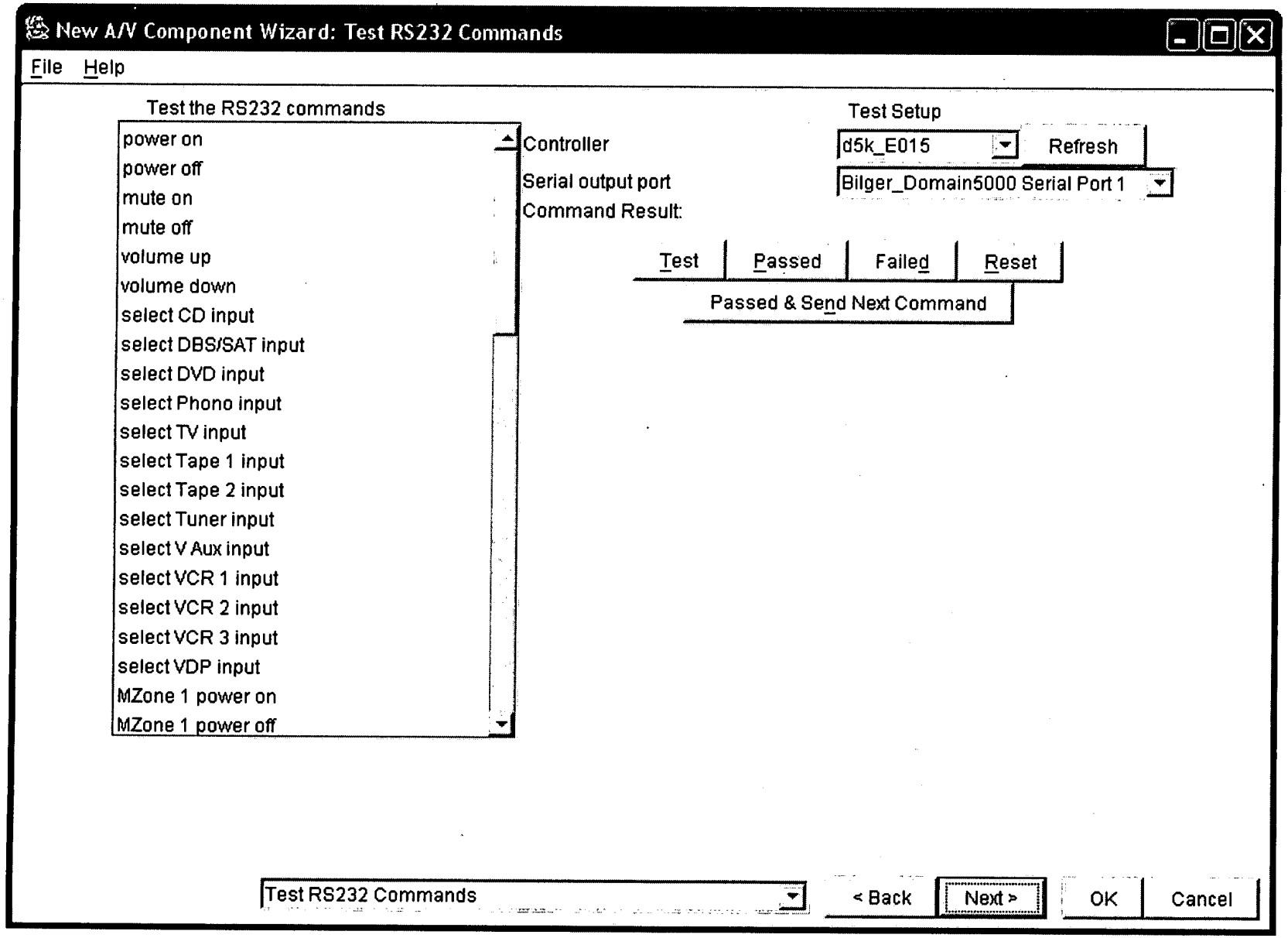

New A/V Component Wizard: Test RS232 Commands
File
Help
Test the RS232 commands
power on
power off
mute on
mute off
volume up
volume down
select CD input
select DBS/SAT input
select DVD input
select Phono input
select TV input
select Tape 1 input
select Tape 2 input
select Tuner input
select V Aux input
select VCR 1 input
select VCR 2 input
select VCR 3 input
select VDP input
MZone 1 power on
MZone 1 power off
Test Setup
Controller
d5k_E015
Refresh
Serial output port
Bilger_Domain5000 Serial Port 1
Command Result:
Test
Passed
Failed
Reset
Passed & Send Next Command
Test RS232 Commands
< Back
Next >
OK
Cancel

Figure 16

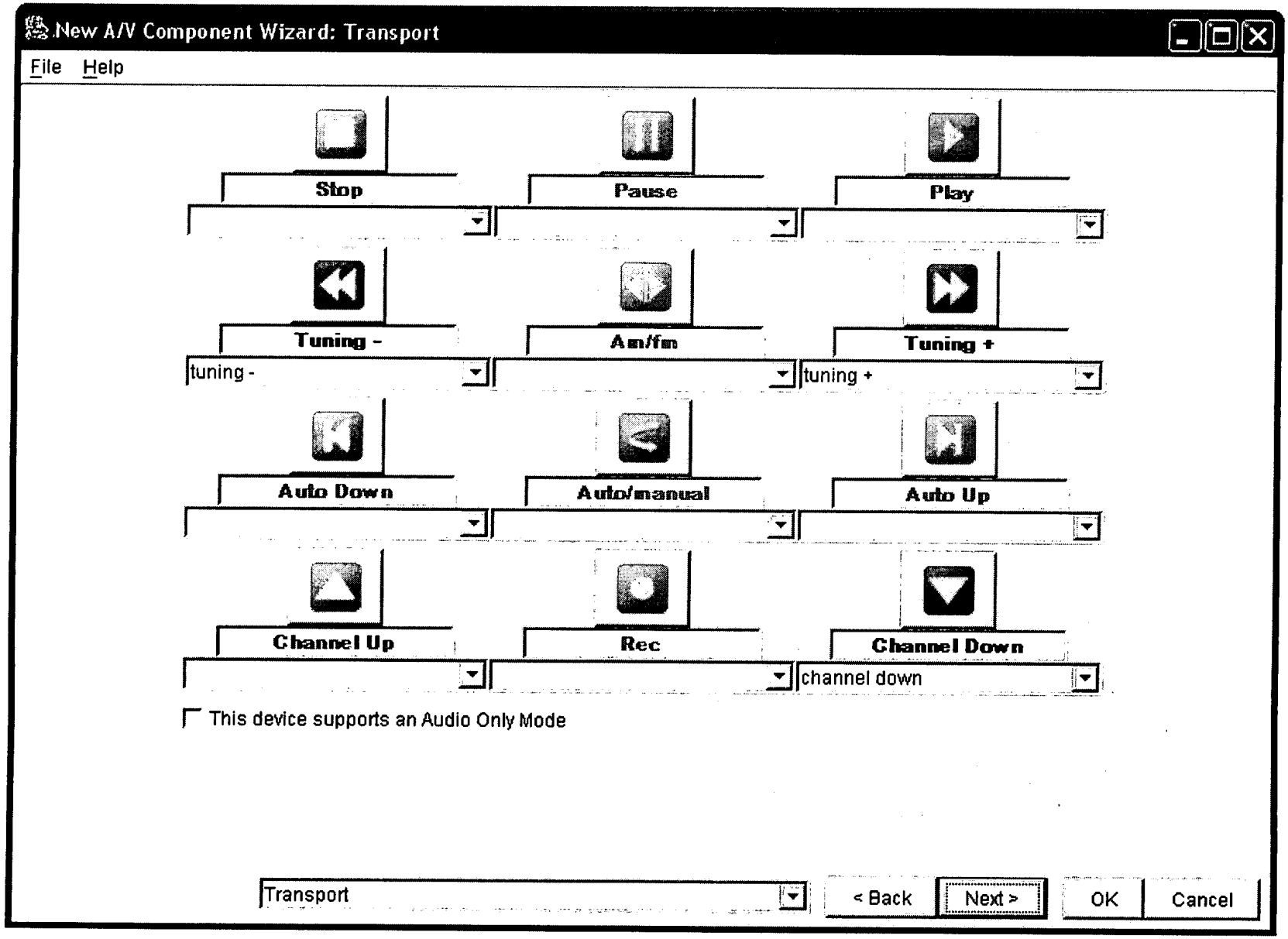

New A/V Component Wizard: Transport
File
Help
Stop
Pause
Play
Tuning -
Am/fm
Tuning +
tuning -
tuning +
Auto Down
Auto/manual
Auto Up
Channel Up
Rec
Channel Down
channel down
This device supports an Audio Only Mode
Transport
< Back
Next >
OK
Cancel

Figure 17

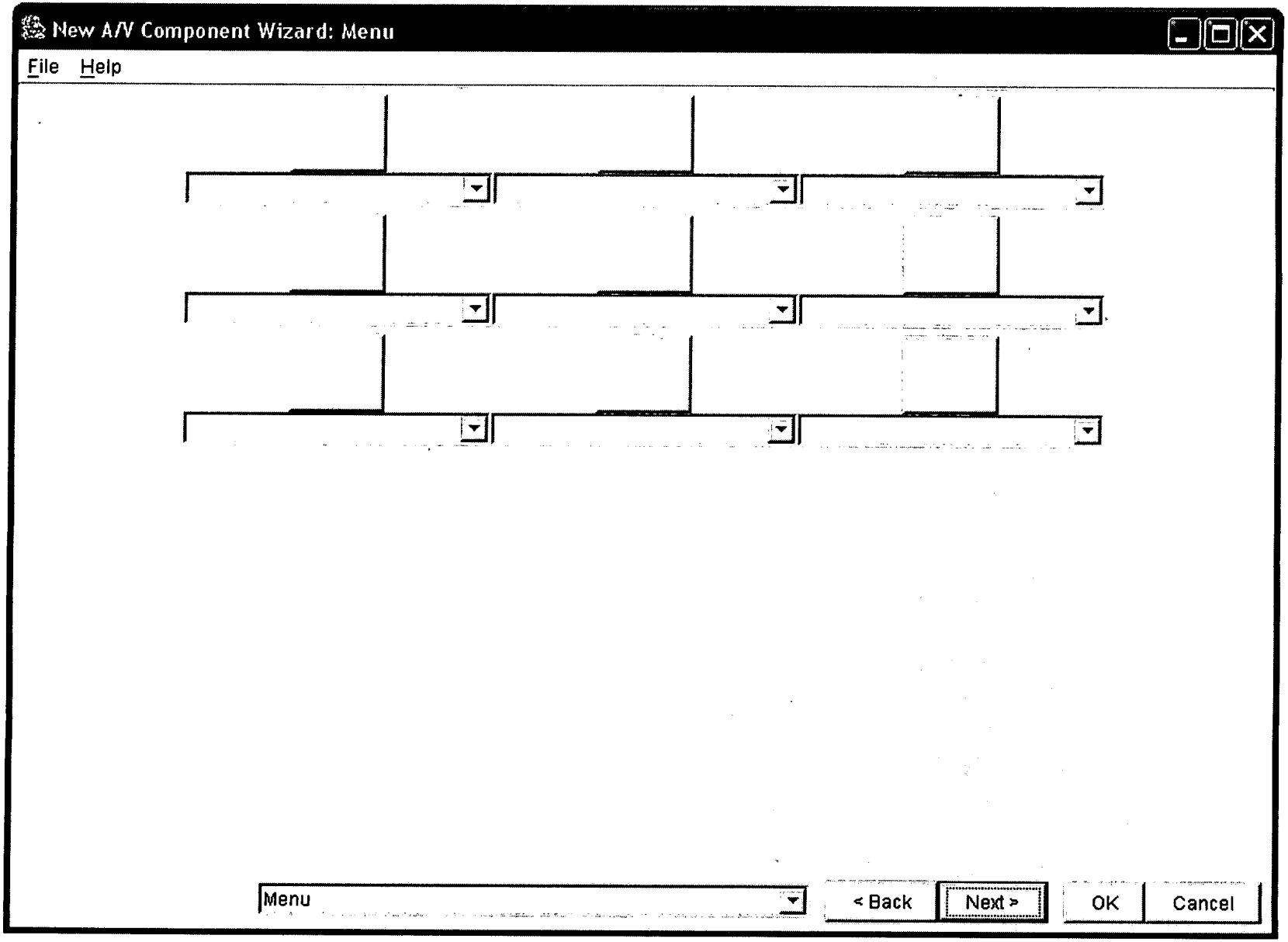

New A/V Component Wizard: Menu
File
Help
Menu
< Back
Next >
OK
Cancel

Figure 18

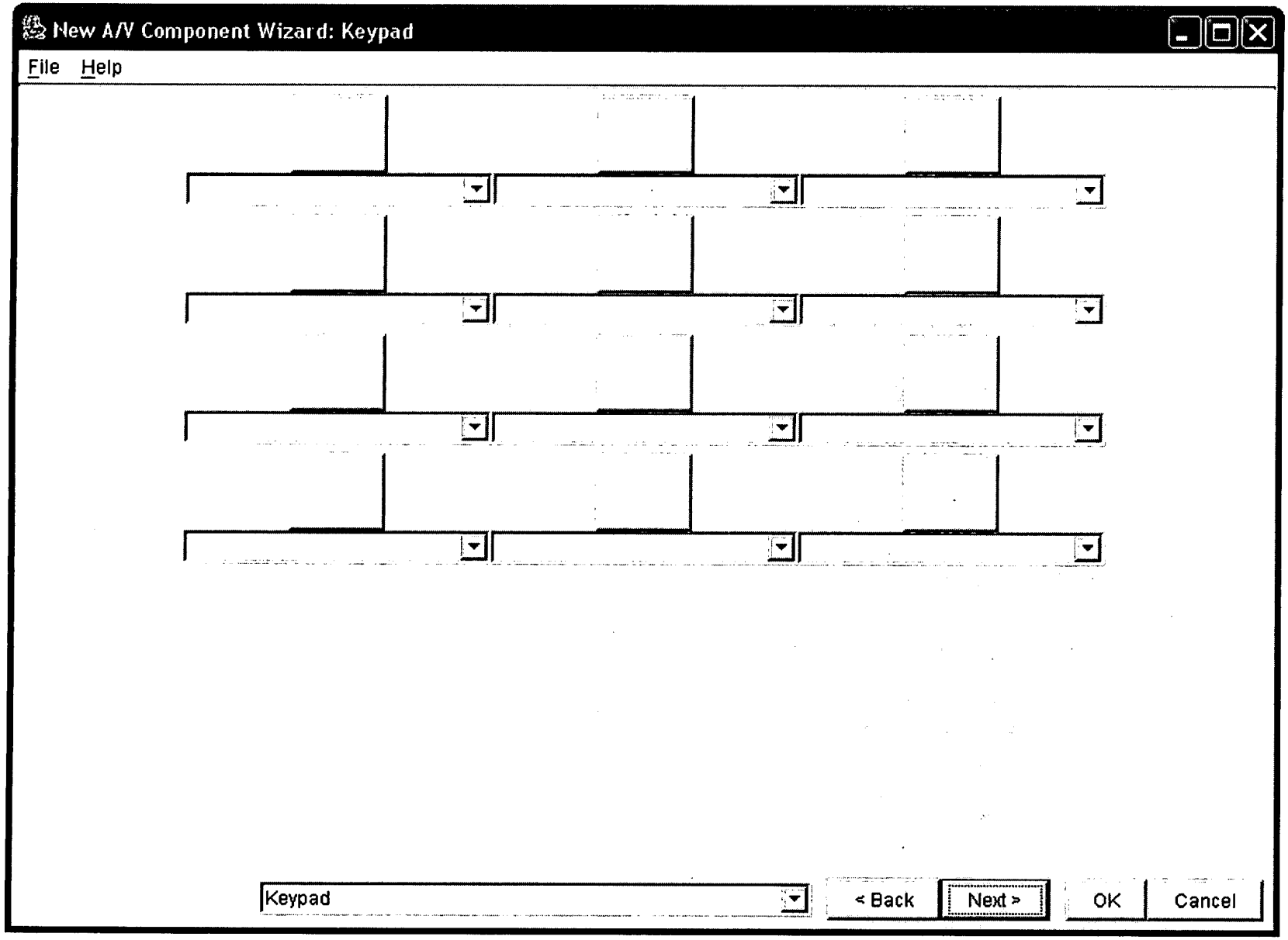

New A/V Component Wizard: Keypad
File
Help
Keypad
< Back
Next >
OK
Cancel

Figure 19

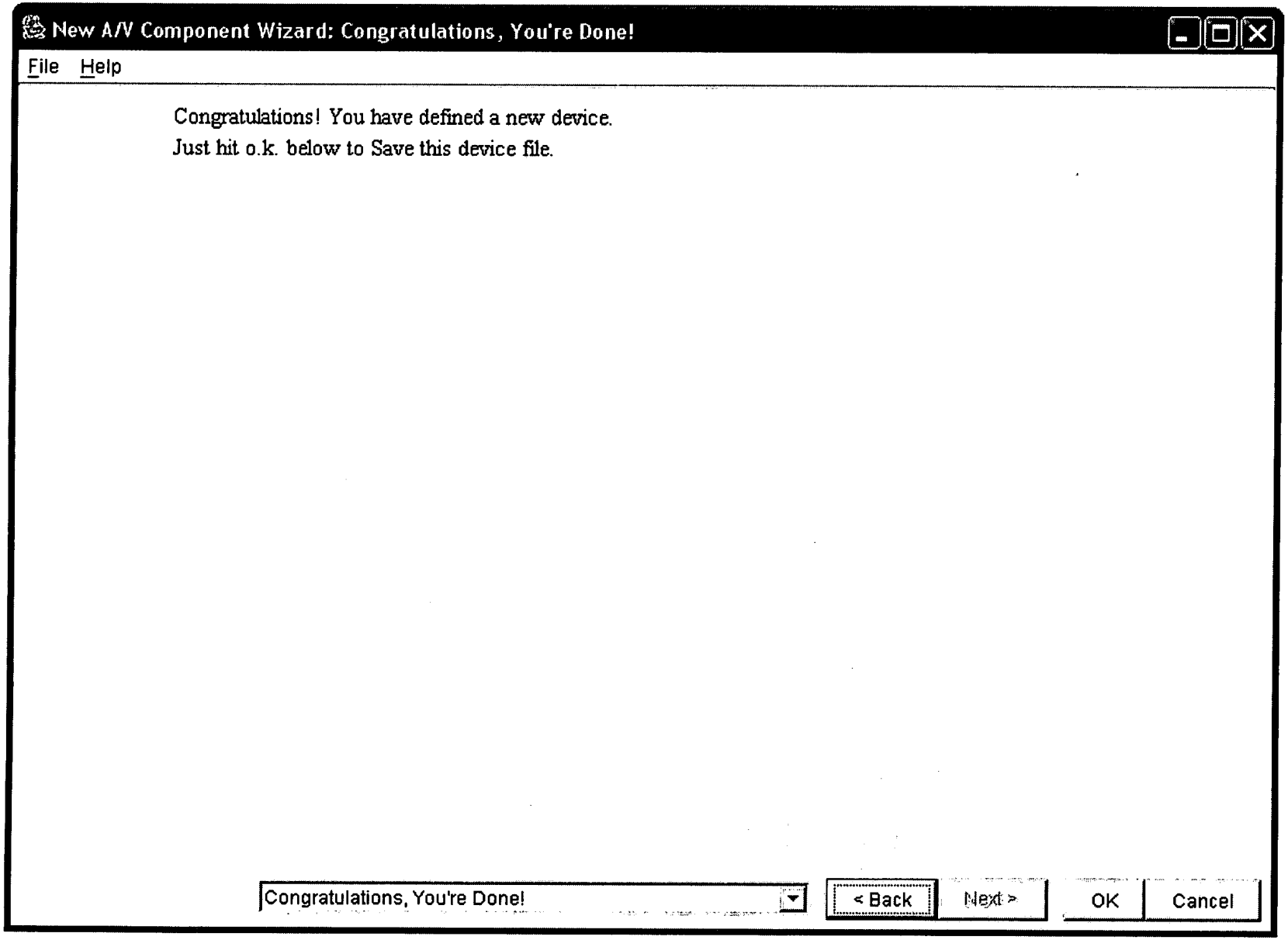

New A/V Component Wizard: Congratulations, You're Done!
File
Help
Congratulations! You have defined a new device.
Just hit o.k. below to Save this device file.
Congratulations, You're Done!
< Back
Next >
OK
Cancel

Figure 20

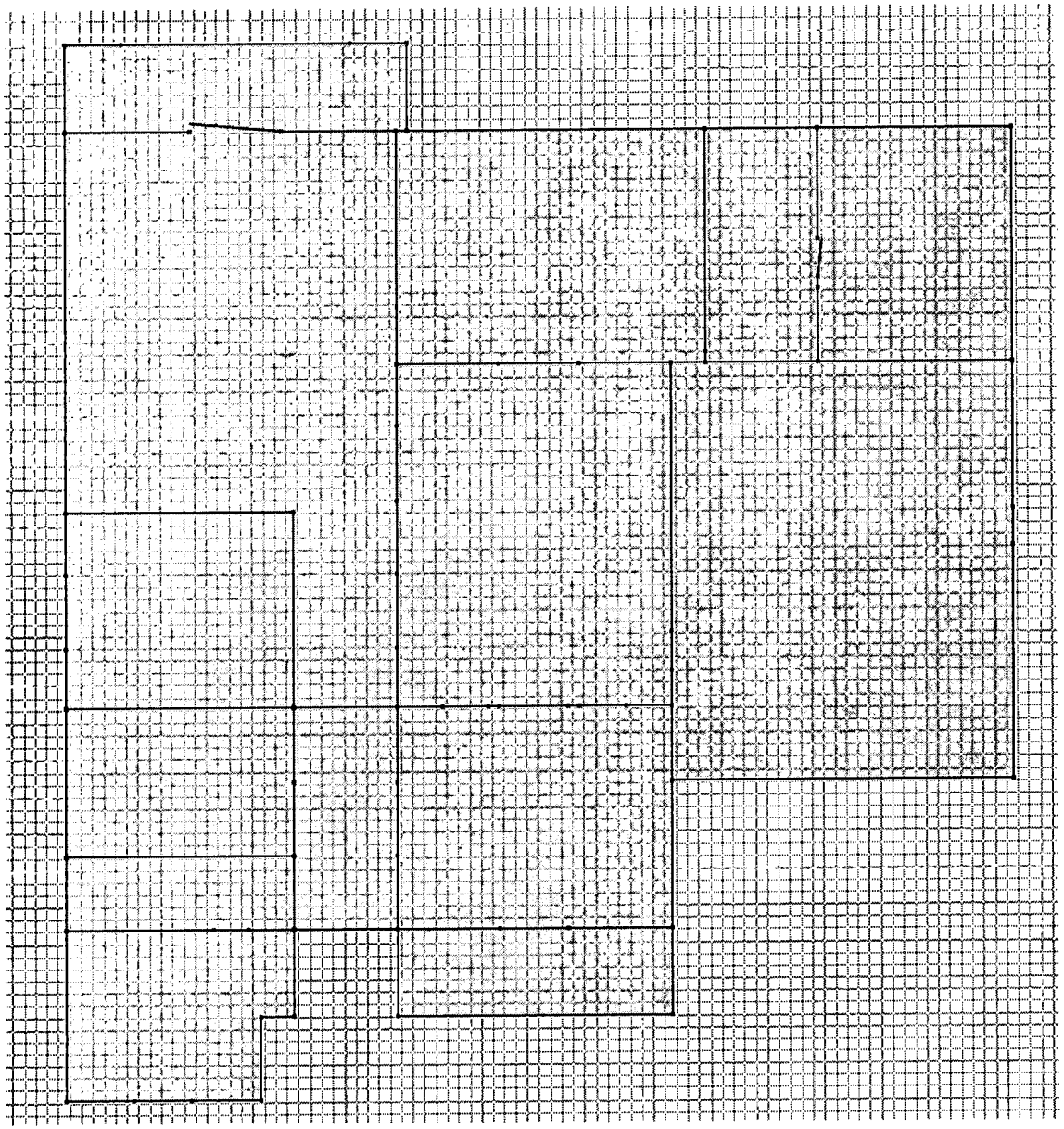


Figure 21

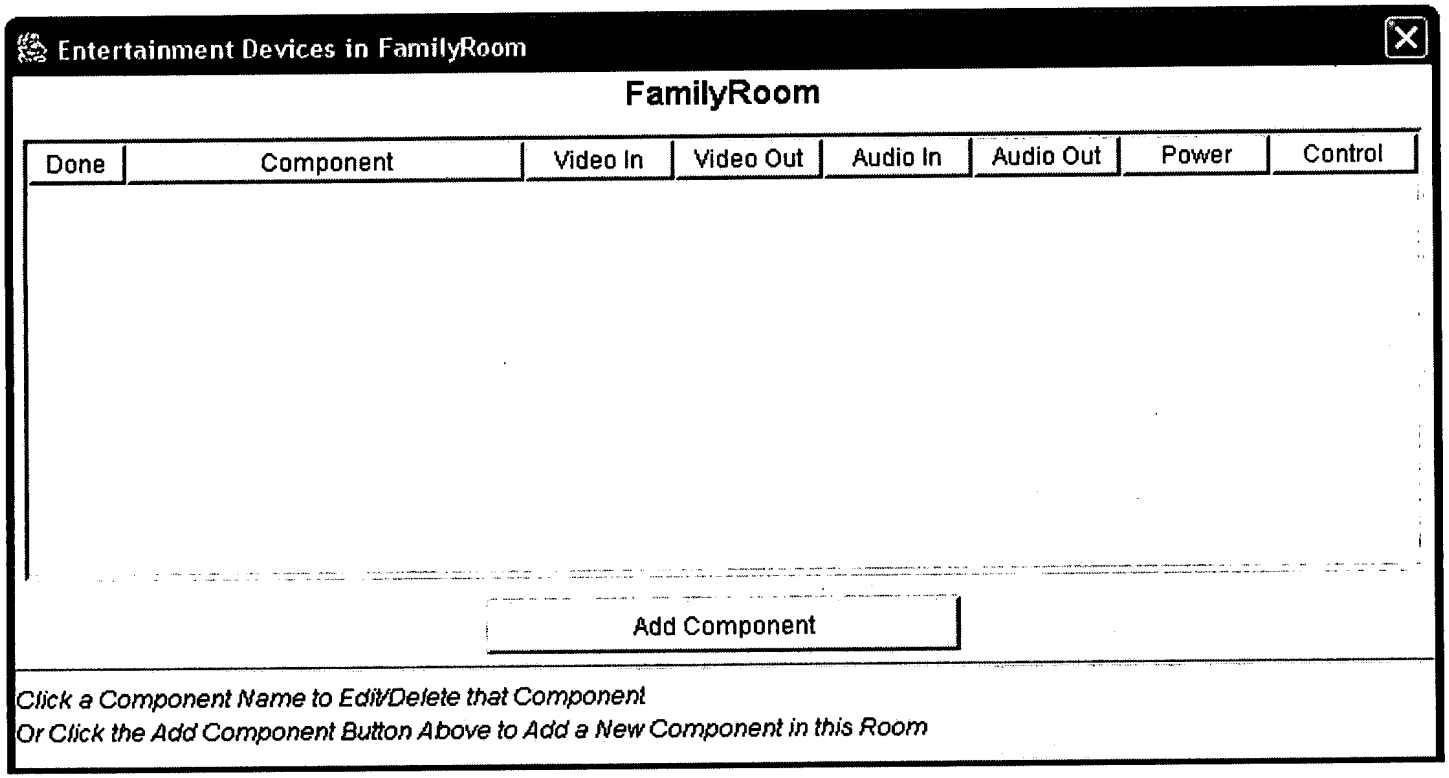

Entertainment Devices in FamilyRoom
FamilyRoom
Done
Component
Video In
Video Out
Audio In
Audio Out
Power
Control
Add Component
Click a Component Name to Edit/Delete that Component
Or Click the Add Component Button Above to Add a New Component in this Room

Figure 22

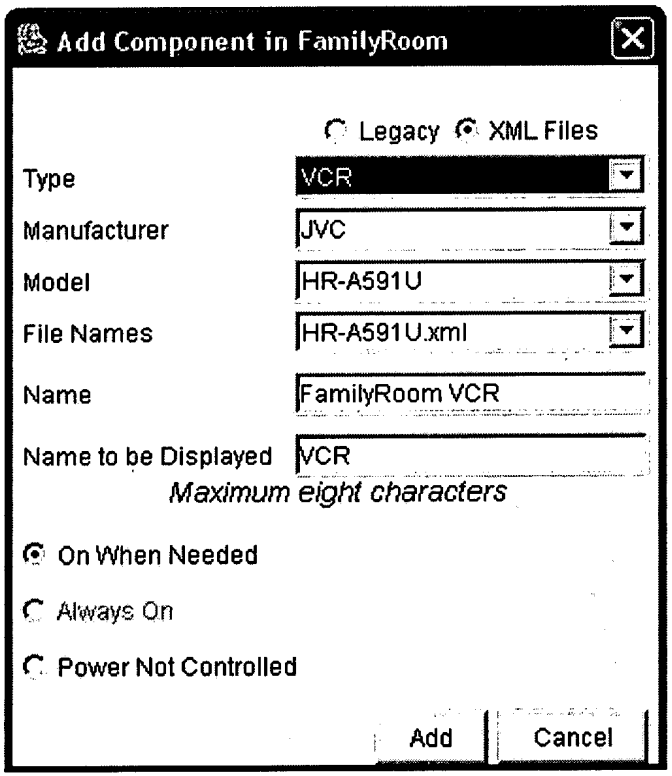

Add Component in FamilyRoom
Legacy
XML Files
Type
VCR
Manufacturer
JVC
Model
HR-A591U
File Names
HR-A591U.xml
Name
FamilyRoom VCR
Name to be Displayed
VCR
Maximum eight characters
On When Needed
Always On
Power Not Controlled
Add
Cancel

Figure 23

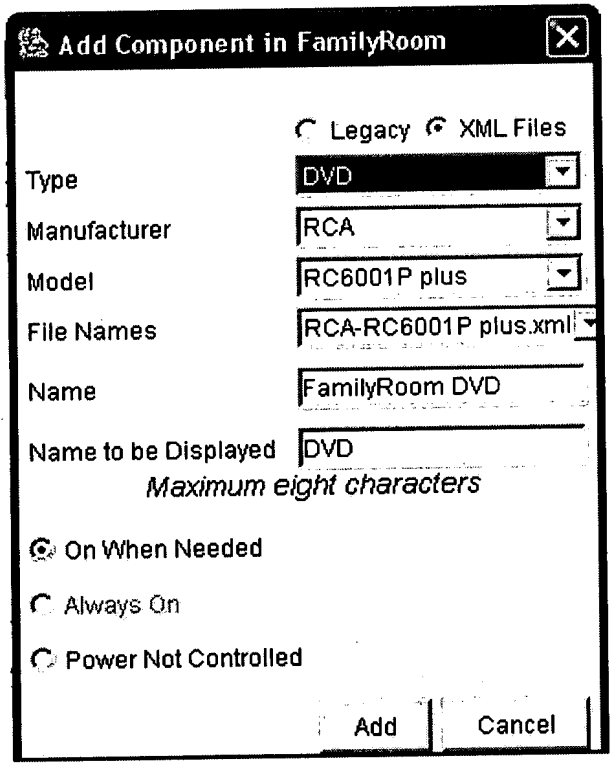

Add Component in FamilyRoom
Legacy
XML Files
Type
DVD
Manufacturer
RCA
Model
RC6001P plus
File Names
RCA-RC6001P plus.xml
Name
FamilyRoom DVD
Name to be Displayed
DVD
Maximum eight characters
On When Needed
Always On
Power Not Controlled
Add
Cancel

Figure 24

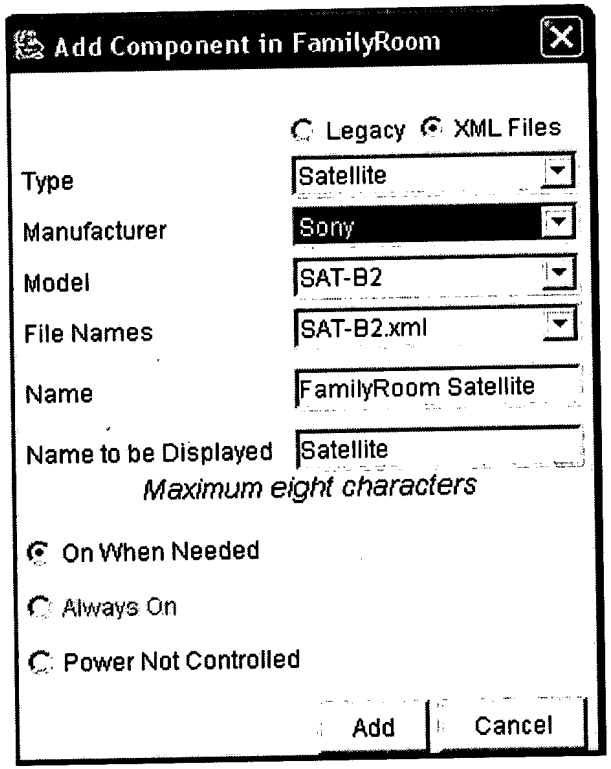

Add Component in FamilyRoom
Legacy
XML Files
Type
Satellite
Manufacturer
Sony
Model
SAT-B2
File Names
SAT-B2.xml
Name
FamilyRoom Satellite
Name to be Displayed
Satellite
Maximum eight characters
On When Needed
Always On
Power Not Controlled
Add
Cancel

Figure 25

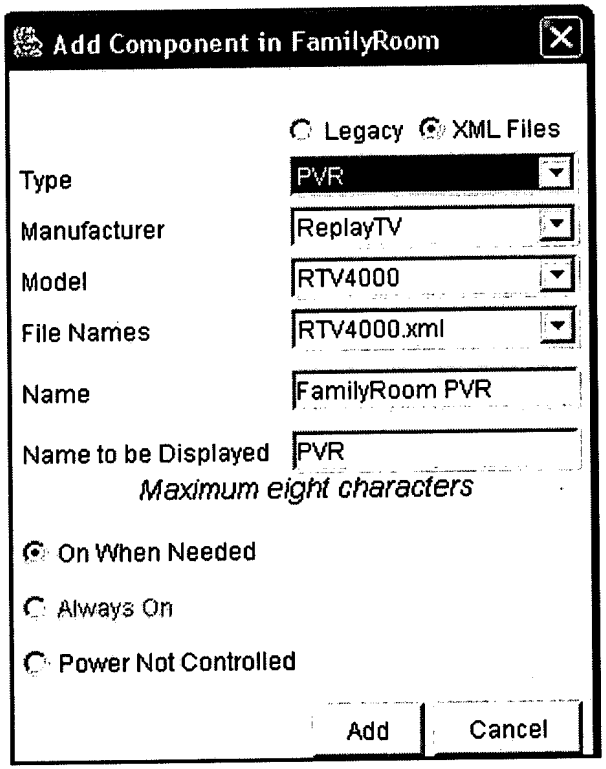

Add Component in FamilyRoom
Legacy
XML Files
Type
PVR
Manufacturer
ReplayTV
Model
RTV4000
File Names
RTV4000.xml
Name
FamilyRoom PVR
Name to be Displayed
PVR
Maximum eight characters
On When Needed
Always On
Power Not Controlled
Add
Cancel

Figure 26

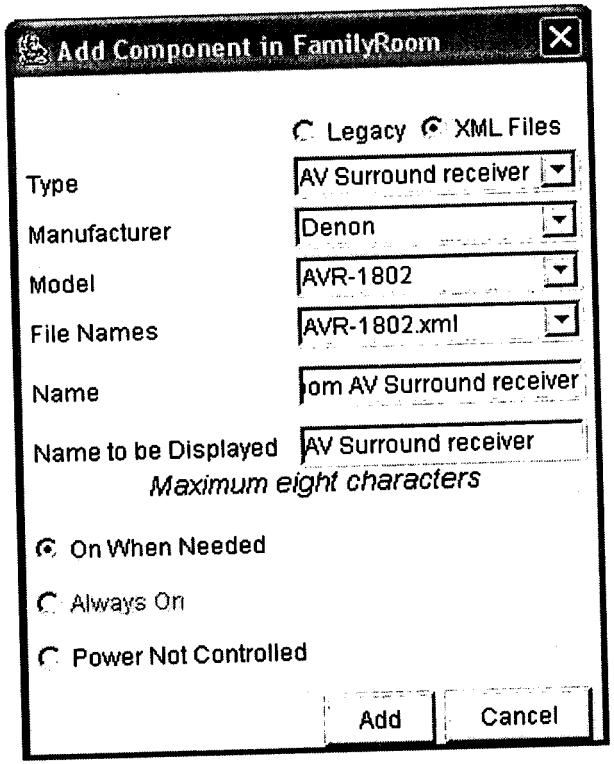

Add Component in FamilyRoom
Legacy
XML Files
Type
AV Surround receiver
Manufacturer
Denon
Model
AVR-1802
File Names
AVR-1802.xml
Name
om AV Surround receiver
Name to be Displayed
AV Surround receiver
Maximum eight characters
On When Needed
Always On
Power Not Controlled
Add
Cancel

Figure 27

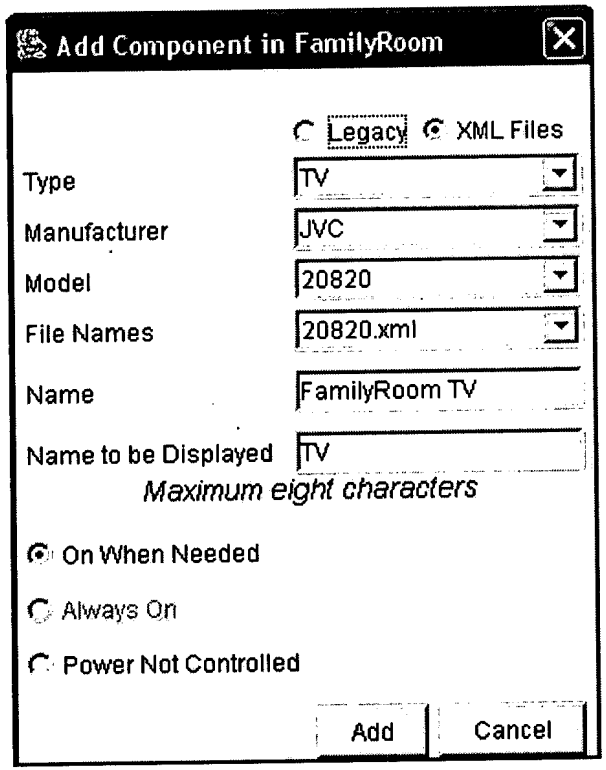

Add Component in FamilyRoom
Legacy
XML Files
Type
TV
Manufacturer
JVC
Model
20820
File Names
20820.xml
Name
FamilyRoom TV
Name to be Displayed
TV
Maximum eight characters
On When Needed
Always On
Power Not Controlled
Add
Cancel

Figure 28

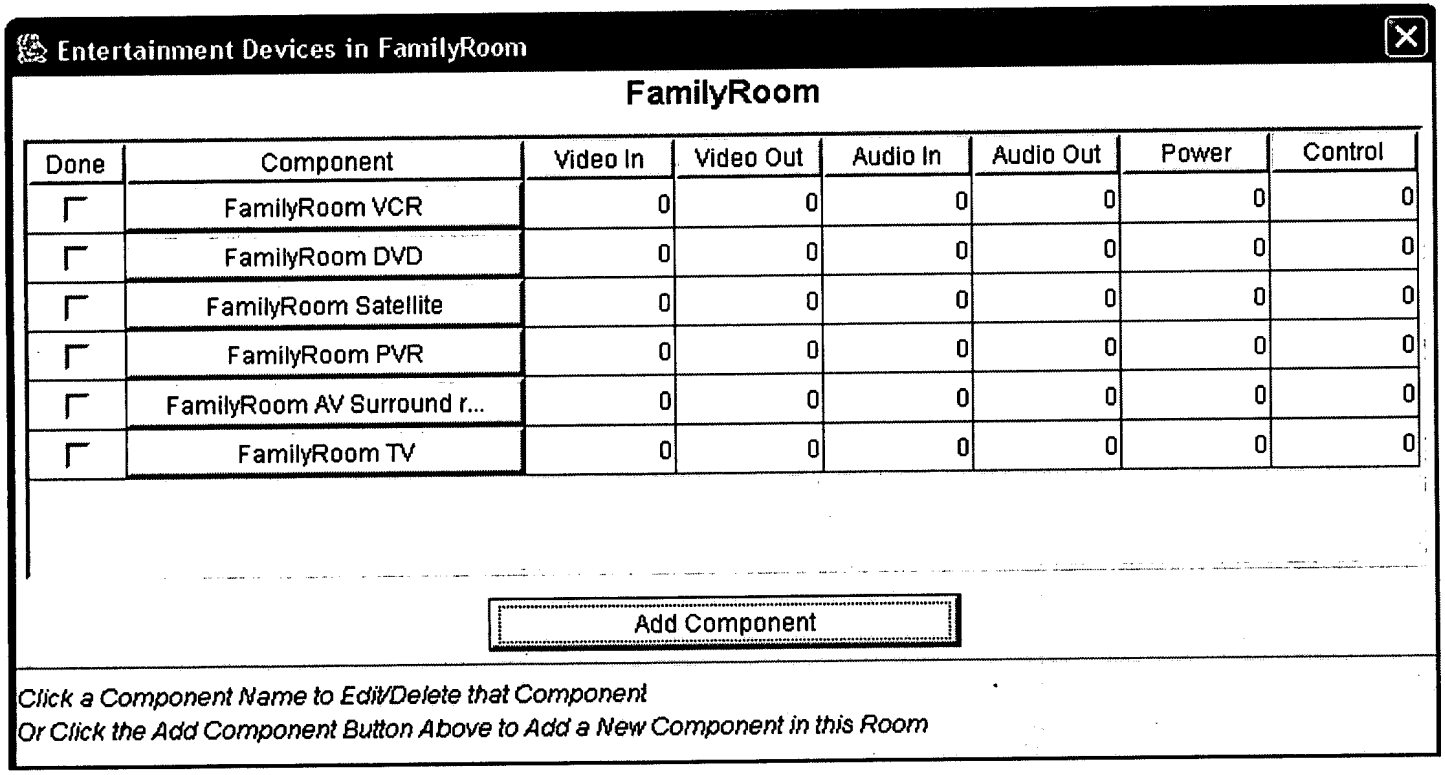

Entertainment Devices in FamilyRoom
FamilyRoom
Done
Component
Video In
Video Out
Audio In
Audio Out
Power
Control
FamilyRoom VCR
FamilyRoom DVD
FamilyRoom Satellite
FamilyRoom PVR
FamilyRoom AV Surround r...
FamilyRoom TV
Add Component
Click a Component Name to Edit/Delete that Component
Or Click the Add Component Button Above to Add a New Component in this Room

Figure 29

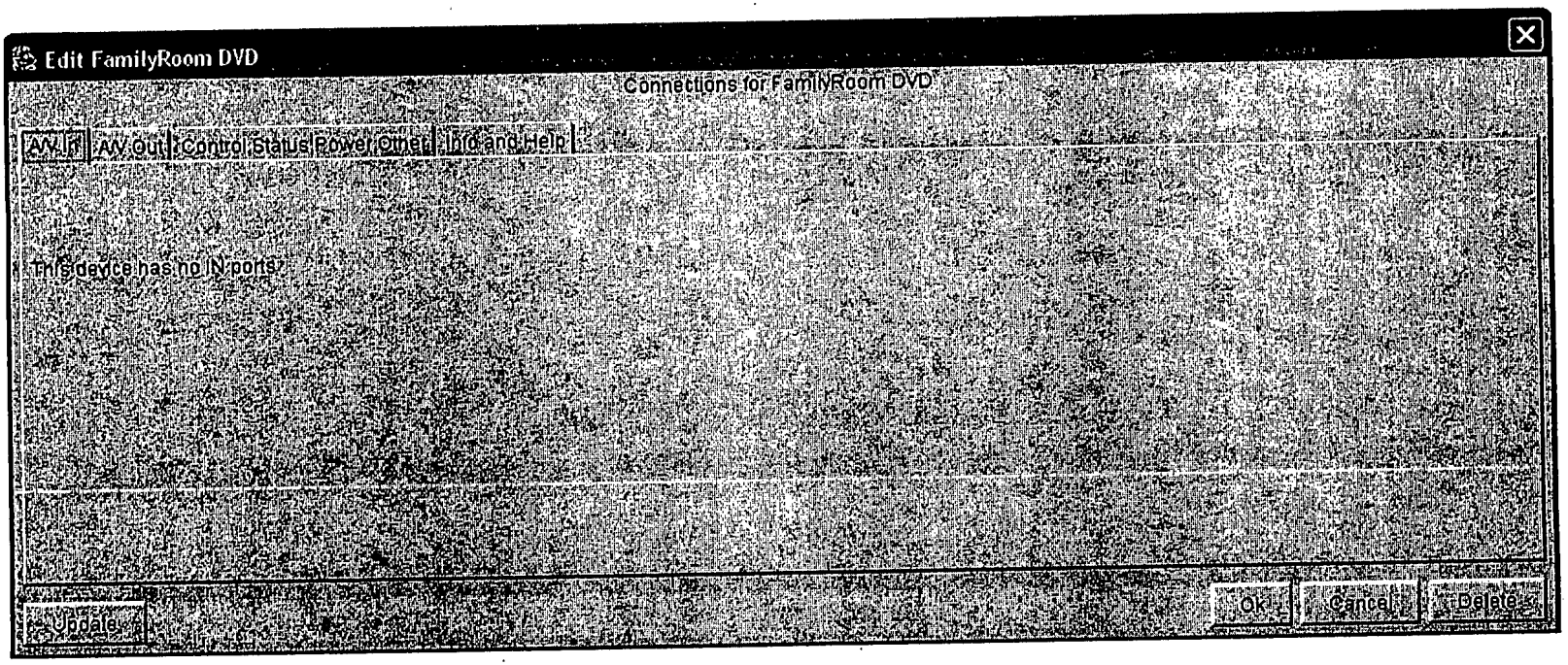

Edit FamilyRoom DVD
Connections for FamilyRoom DVD
A/V In
A/V Out
Control Status
Power Offset
Info and Help
This device has no IN ports
Update
OK
Cancel
Delete

Figure 30

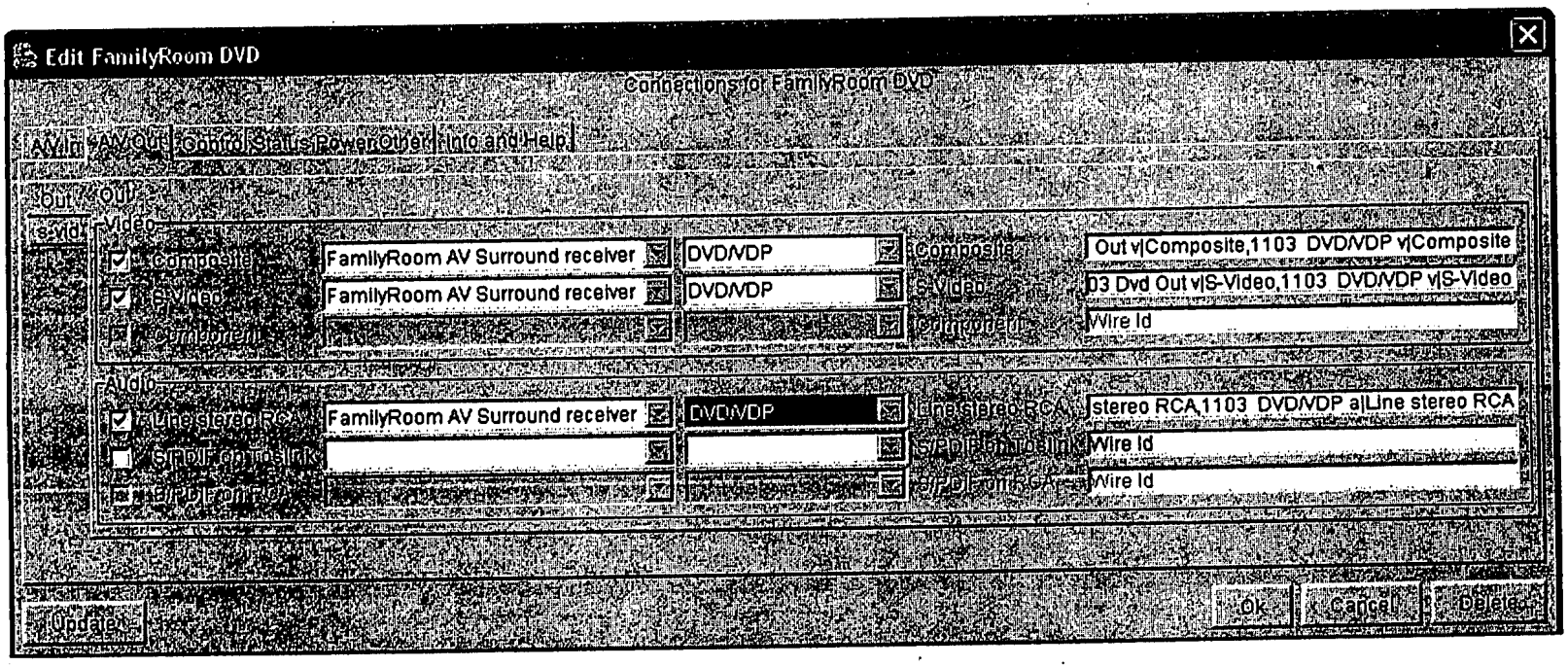

Edit FamilyRoom DVD
Connections for FamilyRoom DVD
A/V In
A/V Out
Control
Status
Power On/Off
Info and Help
Out
Out
Video
Composite
S-Video
Component
FamilyRoom AV Surround receiver
DVD/VDP
Composite
S-Video
Component
Out v|Composite,1103 DVD/VDP v|Composite
D3 Dvd Out v|S-Video,1103 DVD/VDP v|S-Video
Wire Id
Audio
Line stereo RCA
S/PDIF optical link
S/PDIF coax RCA
FamilyRoom AV Surround receiver
DVD/VDP
Line stereo RCA
S/PDIF optical link
S/PDIF coax RCA
stereo RCA,1103 DVD/VDP a|Line stereo RCA
Wire Id
Wire Id
Update
Ok
Cancel
Delete

Figure 31

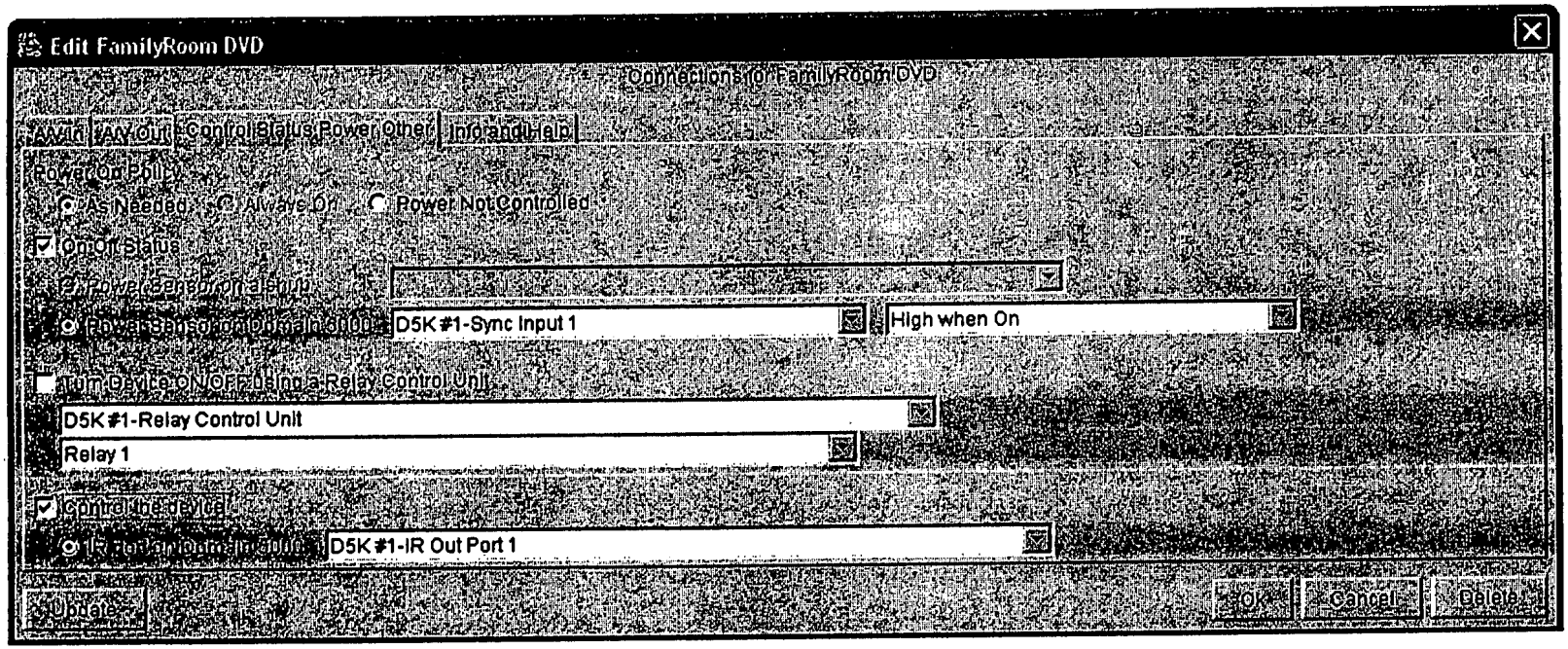

Edit FamilyRoom DVD
Connections for FamilyRoom DVD
A/V In
A/V Out
Control
Status
Power
Other
Info and Help
Power On Policy
As Needed
Always On
Power Not Controlled
On/Off Status
Power Sensor on Serial Port
D5K #1-Sync Input 1
High when On
Turn Device ON/OFF Using a Relay Control Unit
D5K #1-Relay Control Unit
Relay 1
Control the device
D5K #1-IR Out Port 1
Update
OK
Cancel
Delete

Figure 32

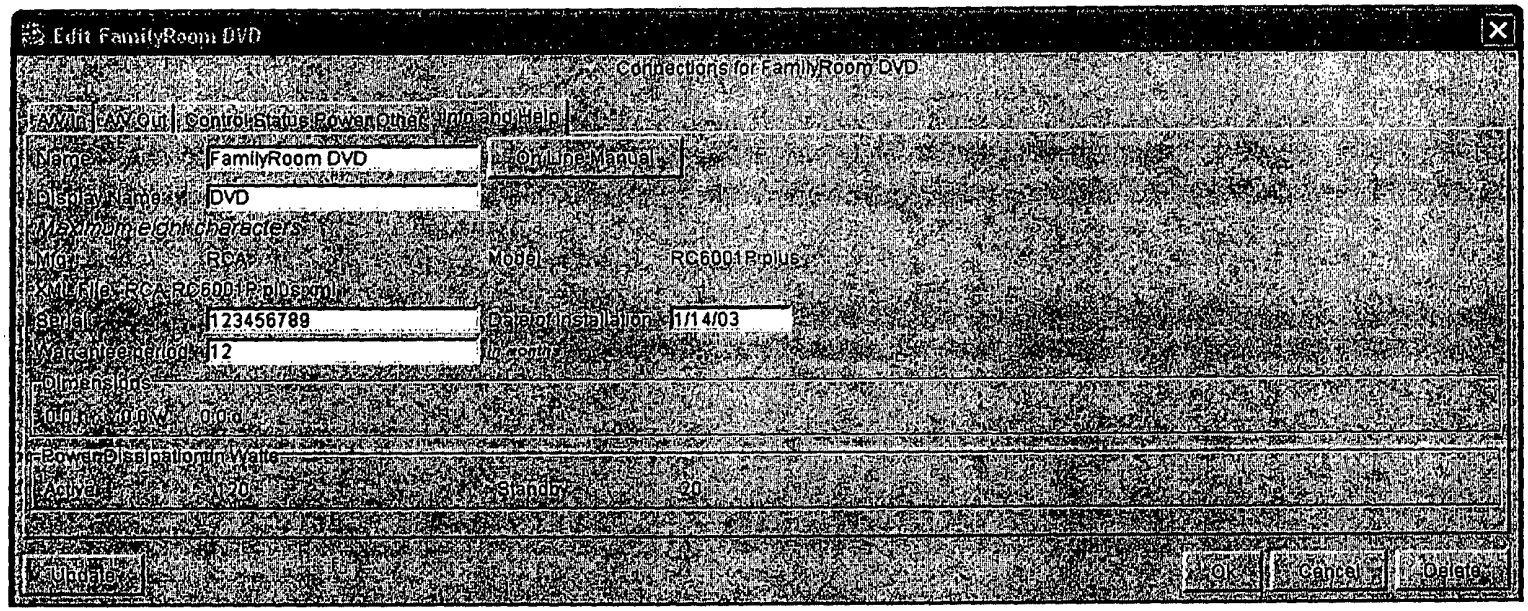
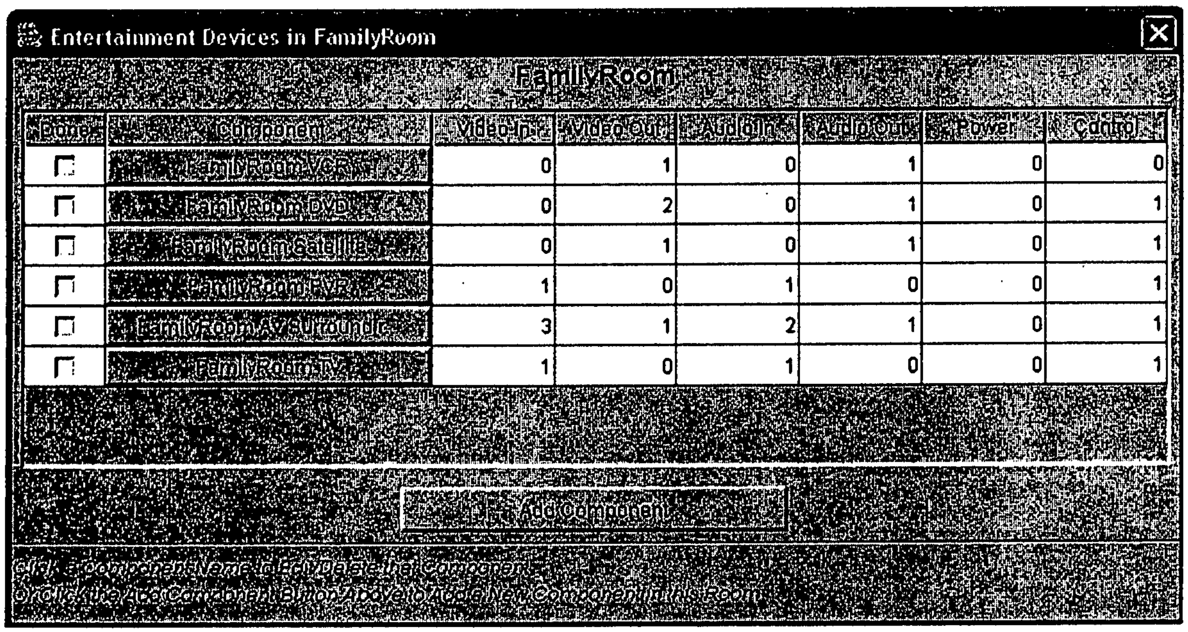

Edit FamilyRoom DVD
Connections for FamilyRoom DVD
A/V In
A/V Out
Control
Status
Power
Macro
Info and Help
Name:
FamilyRoom DVD
On Line Manual
Display Name:
DVD
Maximum eight characters
Mfgr:
RCA
Model:
RC6001P plus
XML File: RCA RC6001P plus.xml
Serial #:
123456789
Date of Installation:
1/14/03
Warrantee Period:
12
In months
Dimensions
Power Dissipation in Watts
Active:
20
Standby:
20
Update
OK
Cancel
Delete

Figure 33



Done	Component	Video In	Video Out	Audio In	Audio Out	Power	Control
☐	FamilyRoom VCR	0	1	0	1	0	0
☐	FamilyRoom DVD	0	2	0	1	0	1
☐	FamilyRoom Satellite	0	1	0	1	0	1
☐	FamilyRoom PVR	1	0	1	0	0	1
☐	FamilyRoom AV Surround	3	1	2	1	0	1
☐	FamilyRoom TV	1	0	1	0	0	1

Figure 34

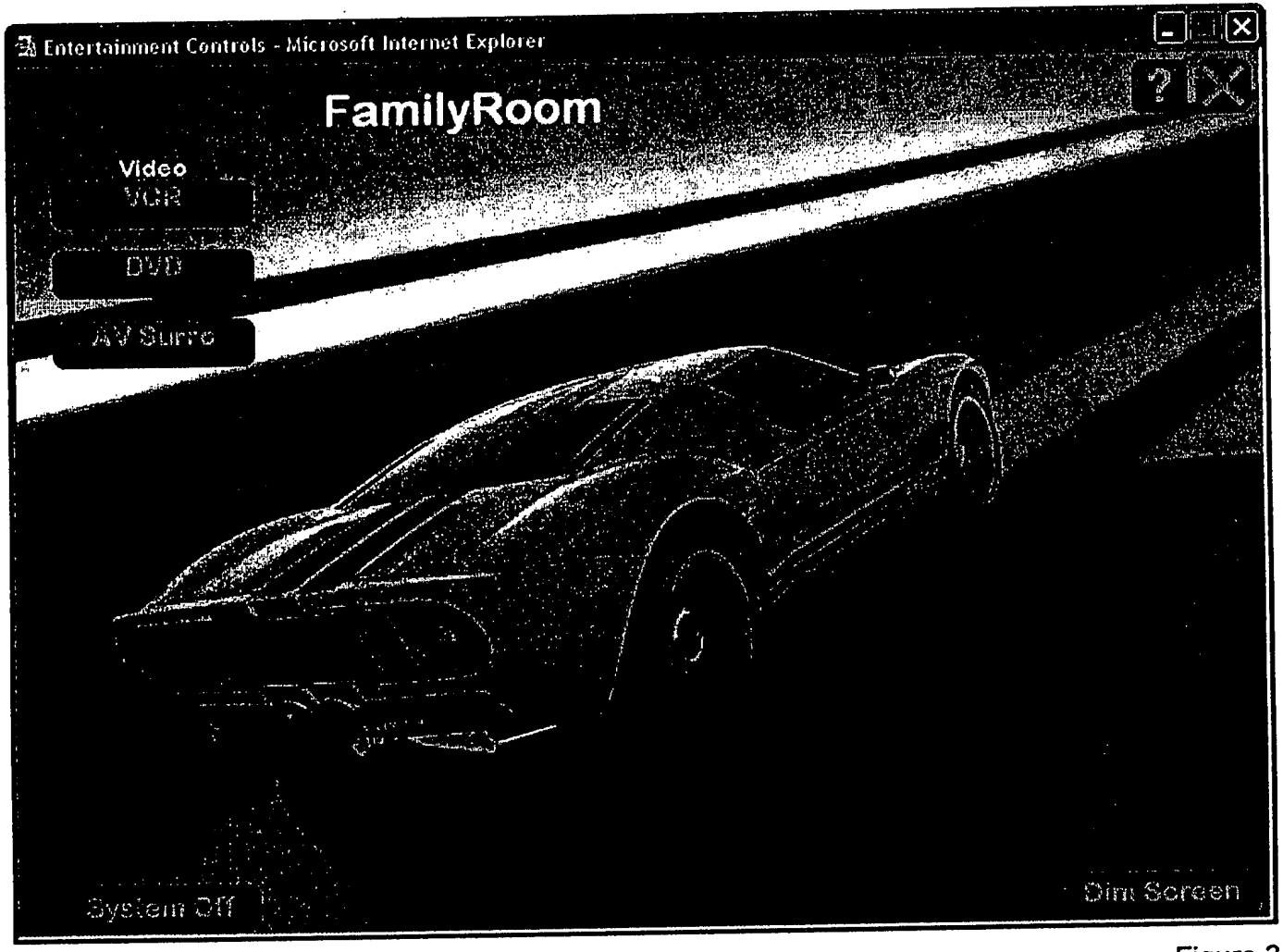

Entertainment Controls - Microsoft Internet Explorer
FamilyRoom
Video
VCR
DVD
A/V Surro
System Off
Dim Screen

Figure 35

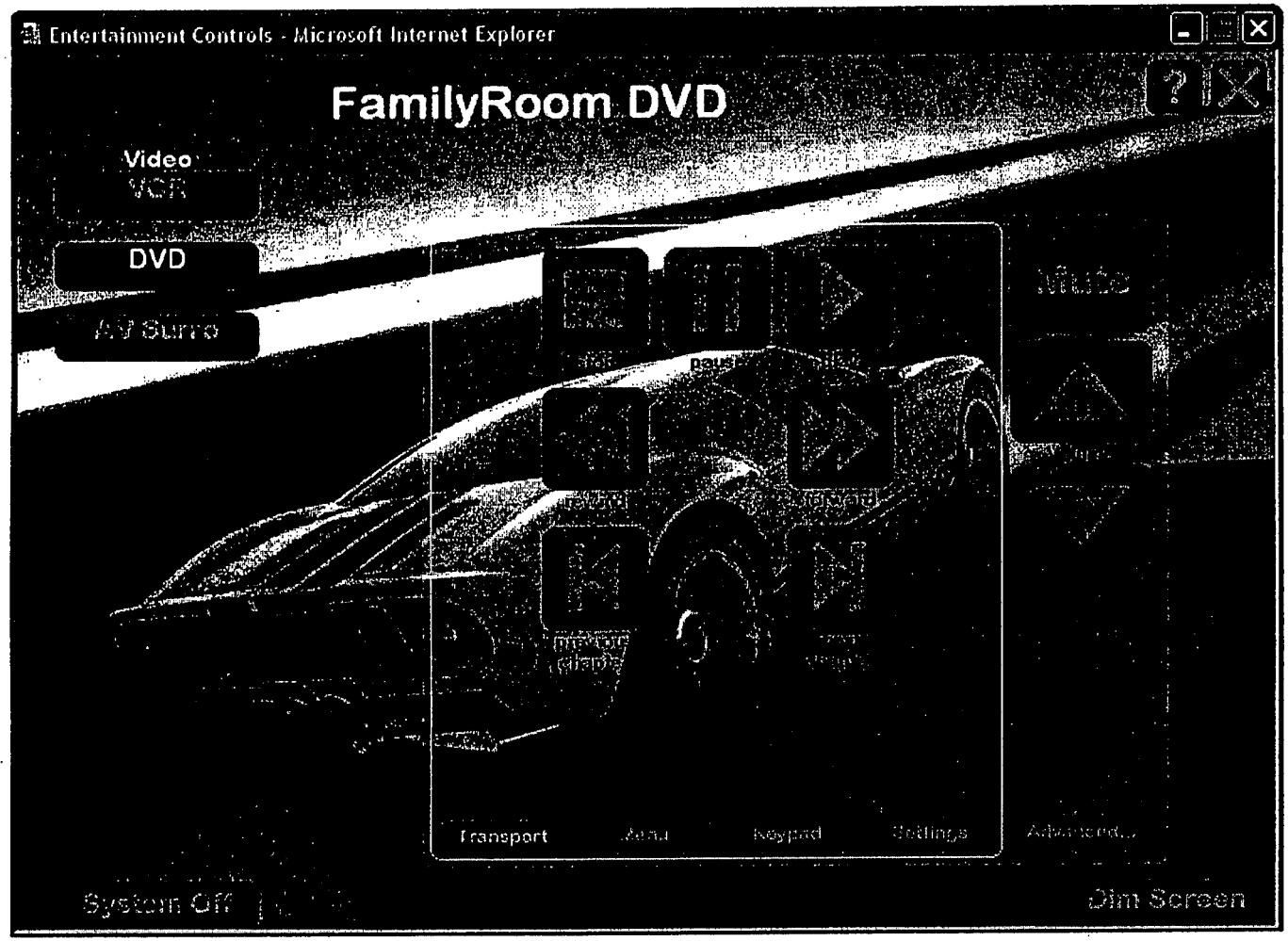

Entertainment Controls - Microsoft Internet Explorer
FamilyRoom DVD
Video
VCR
DVD
A/V Sums
Mute
Transport
Keypad
Settings
System Off
Dim Screen

Figure 36

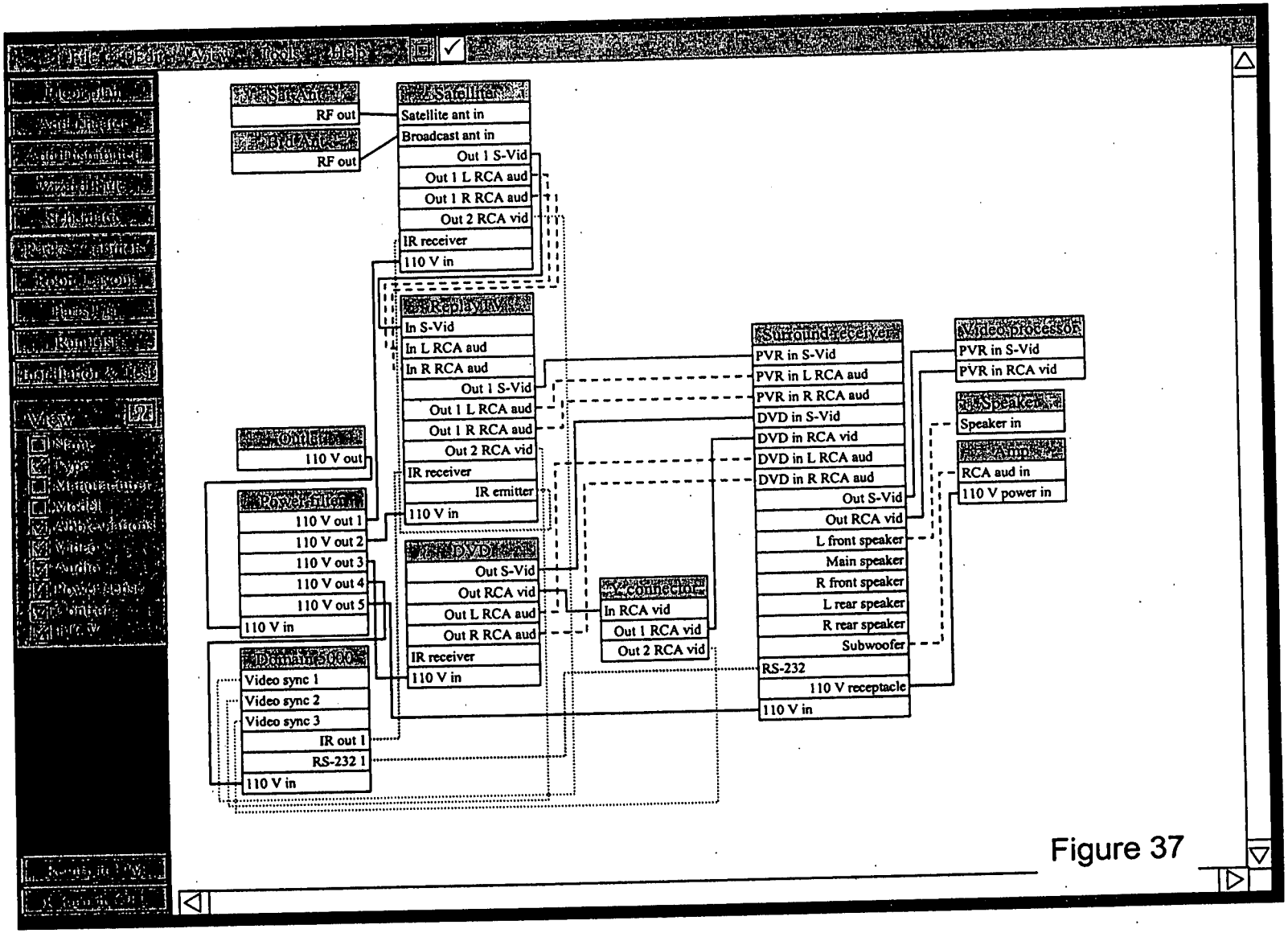
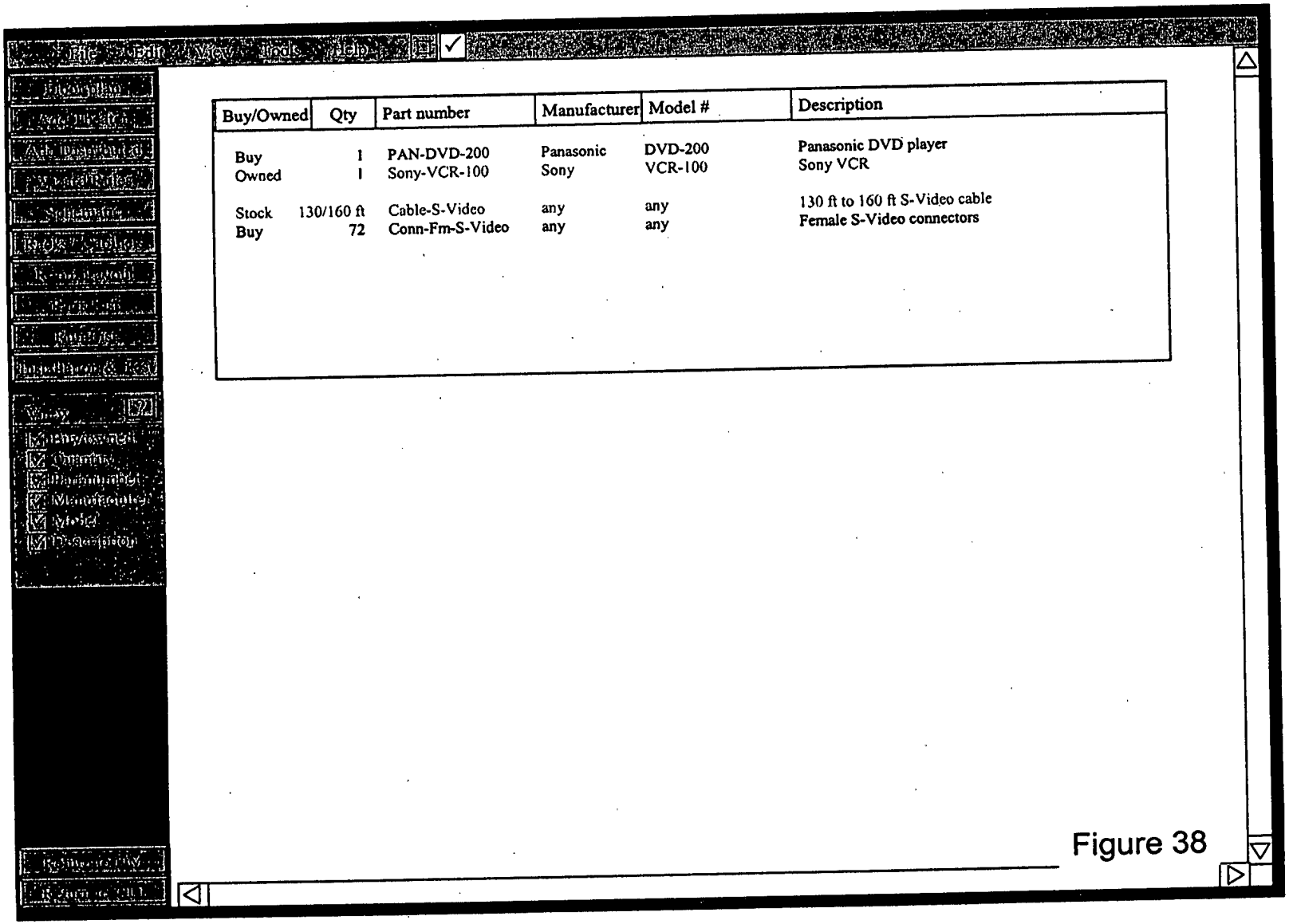
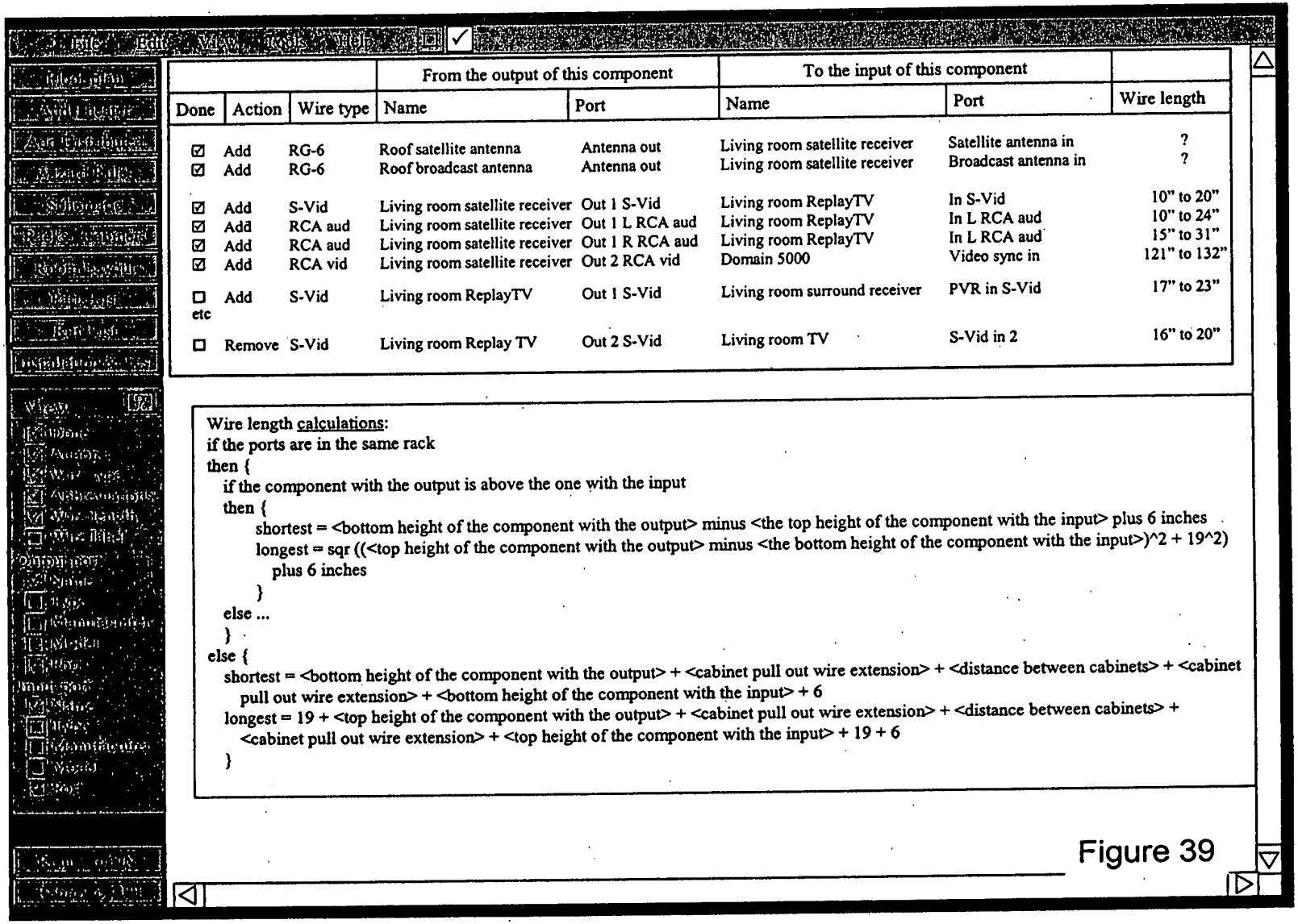

RF out
Satellite ant in
Broadcast ant in
Out 1 S-Vid
Out 1 L RCA aud
Out 1 R RCA aud
Out 2 RCA vid
IR receiver
110 V in
In S-Vid
In L RCA aud
In R RCA aud
Out 1 S-Vid
Out 1 L RCA aud
Out 1 R RCA aud
Out 2 RCA vid
IR receiver
IR emitter
110 V in
110 V out
110 V out 1
110 V out 2
110 V out 3
110 V out 4
110 V out 5
110 V in
Out S-Vid
Out RCA vid
Out L RCA aud
Out R RCA aud
IR receiver
110 V in
Video sync 1
Video sync 2
Video sync 3
IR out 1
RS-232 1
110 V in
In RCA vid
Out 1 RCA vid
Out 2 RCA vid
PVR in S-Vid
PVR in L RCA aud
PVR in R RCA aud
DVD in S-Vid
DVD in RCA vid
DVD in L RCA aud
DVD in R RCA aud
Out S-Vid
Out RCA vid
L front speaker
Main speaker
R front speaker
L rear speaker
R rear speaker
Subwoofer
RS-232
110 V receptacle
110 V in
PVR in S-Vid
PVR in RCA vid
Speaker in
RCA aud in
110 V power in

Figure 37



Buy/Owned	Qty	Part number	Manufacturer	Model #	Description
Buy	1	PAN-DVD-200	Panasonic	DVD-200	Panasonic DVD player
Owned	1	Sony-VCR-100	Sony	VCR-100	Sony VCR
Stock	130/160 ft	Cable-S-Video	any	any	130 ft to 160 ft S-Video cable
Buy	72	Conn-Fm-S-Video	any	any	Female S-Video connectors

Figure 38



			From the output of this component		To the input of this component		
Done	Action	Wire type	Name	Port	Name	Port	Wire length
☑	Add	RG-6	Roof satellite antenna	Antenna out	Living room satellite receiver	Satellite antenna in	?
☑	Add	RG-6	Roof broadcast antenna	Antenna out	Living room satellite receiver	Broadcast antenna in	?
☑	Add	S-Vid	Living room satellite receiver	Out 1 S-Vid	Living room ReplayTV	In S-Vid	10" to 20"
☑	Add	RCA aud	Living room satellite receiver	Out 1 L RCA aud	Living room ReplayTV	In L RCA aud	10" to 24"
☑	Add	RCA aud	Living room satellite receiver	Out 1 R RCA aud	Living room ReplayTV	In L RCA aud	15" to 31"
☑	Add	RCA vid	Living room satellite receiver	Out 2 RCA vid	Domain 5000	Video sync in	121" to 132"
☐	Add	S-Vid	Living room ReplayTV	Out 1 S-Vid	Living room surround receiver	PVR in S-Vid	17" to 23"
etc							
☐	Remove	S-Vid	Living room Replay TV	Out 2 S-Vid	Living room TV	S-Vid in 2	16" to 20"

Wire length calculations:
if the ports are in the same rack
then {
  if the component with the output is above the one with the input
  then {
    shortest = <bottom height of the component with the output> minus <the top height of the component with the input> plus 6 inches
    longest = sqr ((<top height of the component with the output> minus <the bottom height of the component with the input>)^2 + 19^2)
      plus 6 inches
    }
  else ...
  }
else {
  shortest = <bottom height of the component with the output> + <cabinet pull out wire extension> + <distance between cabinets> + <cabinet pull out wire extension> + <bottom height of the component with the input> + 6
  longest = 19 + <top height of the component with the output> + <cabinet pull out wire extension> + <distance between cabinets> + <cabinet pull out wire extension> + <top height of the component with the input> + 19 + 6
  }

Figure 39

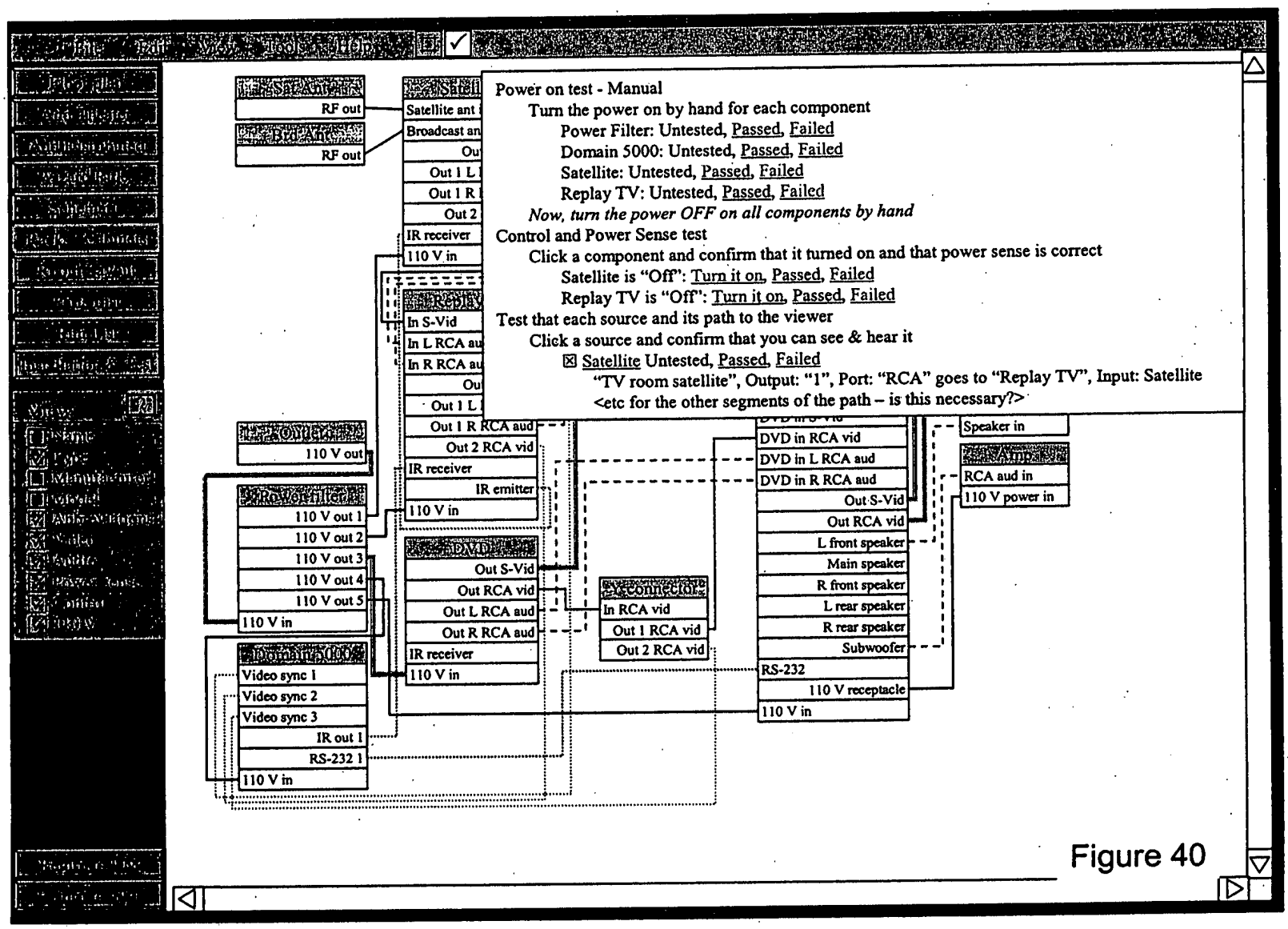

Power on test - Manual
Turn the power on by hand for each component
Power Filter: Untested, Passed, Failed
Domain 5000: Untested, Passed, Failed
Satellite: Untested, Passed, Failed
Replay TV: Untested, Passed, Failed
Now, turn the power OFF on all components by hand
Control and Power Sense test
Click a component and confirm that it turned on and that power sense is correct
Satellite is "Off": Turn it on, Passed, Failed
Replay TV is "Off": Turn it on, Passed, Failed
Test that each source and its path to the viewer
Click a source and confirm that you can see & hear it
☒ Satellite Untested, Passed, Failed
"TV room satellite", Output: "1", Port: "RCA" goes to "Replay TV", Input: Satellite
<etc for the other segments of the path – is this necessary?>
Sat Ant
RF out
Brd Ant
RF out
Satell
Satellite ant
Broadcast an
Out 1 L
Out 1 R
Out 2
IR receiver
110 V in
Replay
In S-Vid
In L RCA au
In R RCA au
Out 1 L
Out 1 R RCA aud
Out 2 RCA vid
IR receiver
IR emitter
110 V in
110 V out
110 V out 1
110 V out 2
110 V out 3
110 V out 4
110 V out 5
110 V in
DVD
Out S-Vid
Out RCA vid
Out L RCA aud
Out R RCA aud
IR receiver
110 V in
Connection
In RCA vid
Out 1 RCA vid
Out 2 RCA vid
DVD in RCA vid
DVD in L RCA aud
DVD in R RCA aud
Out S-Vid
Out RCA vid
L front speaker
Main speaker
R front speaker
L rear speaker
R rear speaker
Subwoofer
RS-232
110 V receptacle
110 V in
Speaker in
Amp
RCA aud in
110 V power in
Video sync 1
Video sync 2
Video sync 3
IR out 1
RS-232 1
110 V in

Figure 40

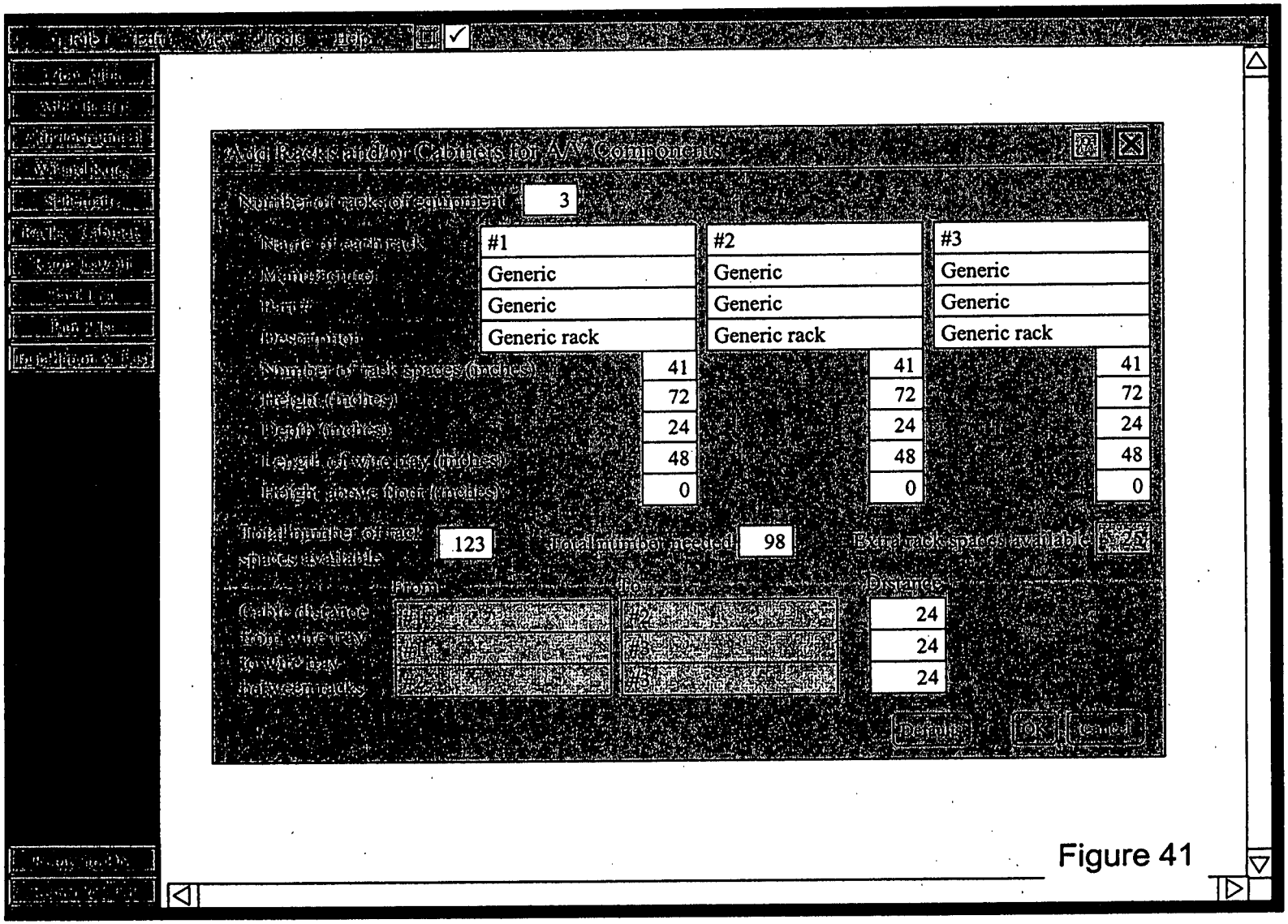
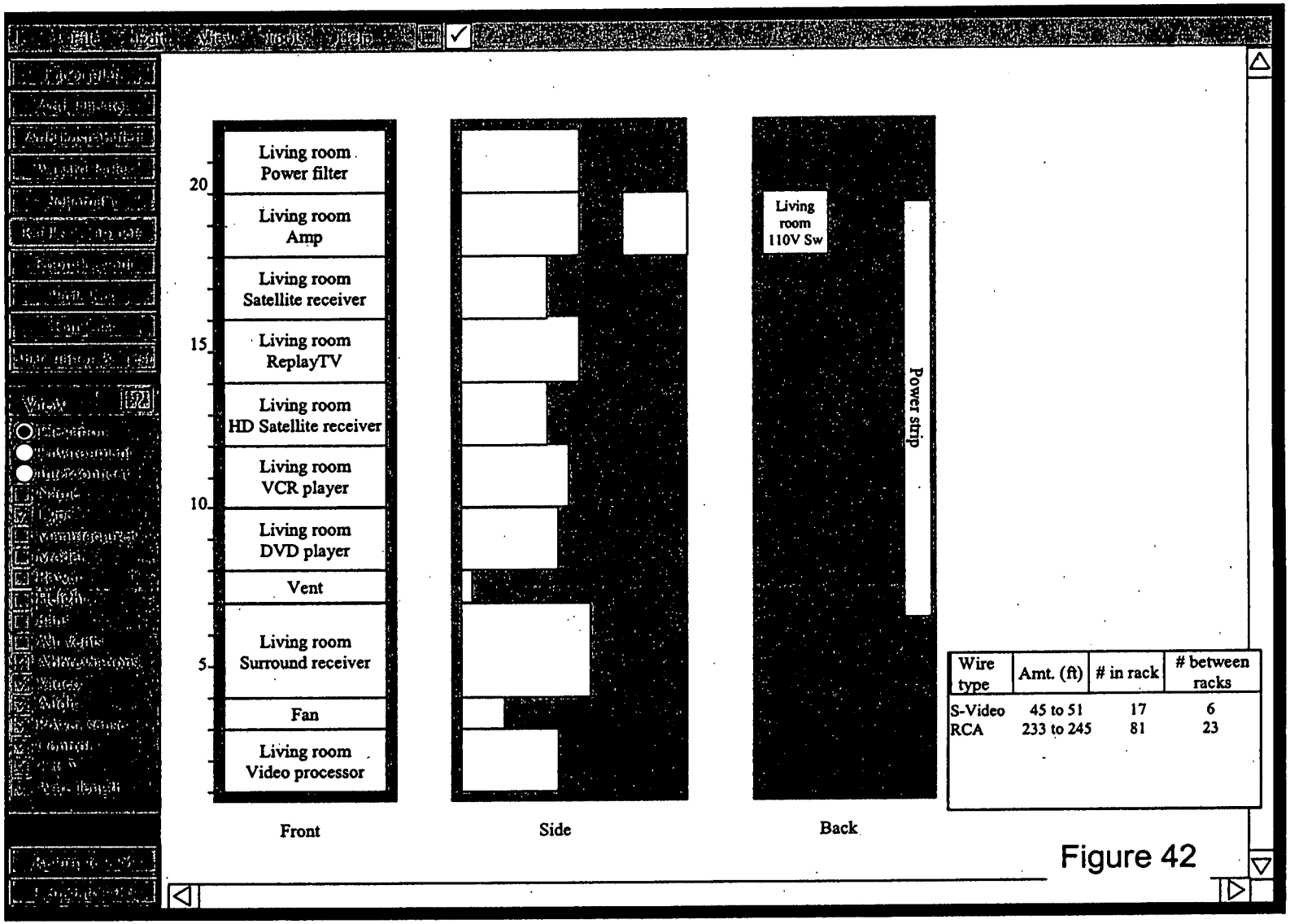

Add Racks and/or Cabinets for A/V Components
Number of racks of equipment
3
Name of each rack
#1
#2
#3
Manufacturer
Generic
Generic
Generic
Part #
Generic
Generic
Generic
Description
Generic rack
Generic rack
Generic rack
Number of rack spaces (inches)
41
41
41
Height (inches)
72
72
72
Depth (inches)
24
24
24
Length of wire tray (inches)
48
48
48
Height above floor (inches)
0
0
0
Total number of rack spaces available
123
Total number needed
98
Extra rack spaces available
25
From
To
Distance
Cable distance from wire tray to wire tray between racks
#1
#2
24
#2
#3
24
#3
#1
24
Default
OK
Cancel

Figure 41



Wire type	Amt. (ft)	# in rack	# between racks
S-Video	45 to 51	17	6
RCA	233 to 245	81	23

Figure 42

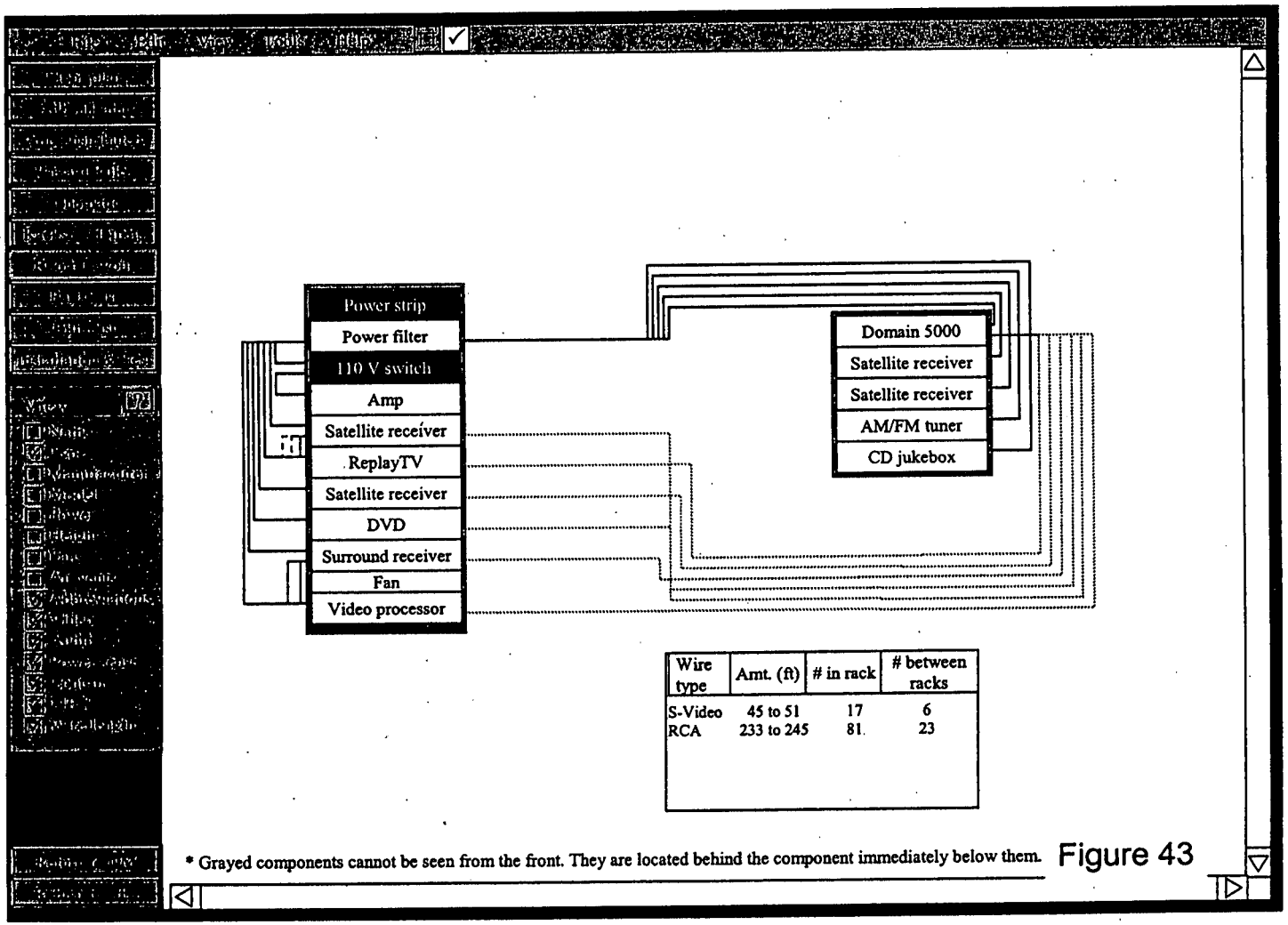

Power strip
Power filter
110 V switch
Amp
Satellite receiver
ReplayTV
Satellite receiver
DVD
Surround receiver
Fan
Video processor
Domain 5000
Satellite receiver
Satellite receiver
AM/FM tuner
CD jukebox
Wire type | Amt. (ft) | # in rack | # between racks
S-Video | 45 to 51 | 17 | 6
RCA | 233 to 245 | 81 | 23
* Grayed components cannot be seen from the front. They are located behind the component immediately below them.

Figure 43

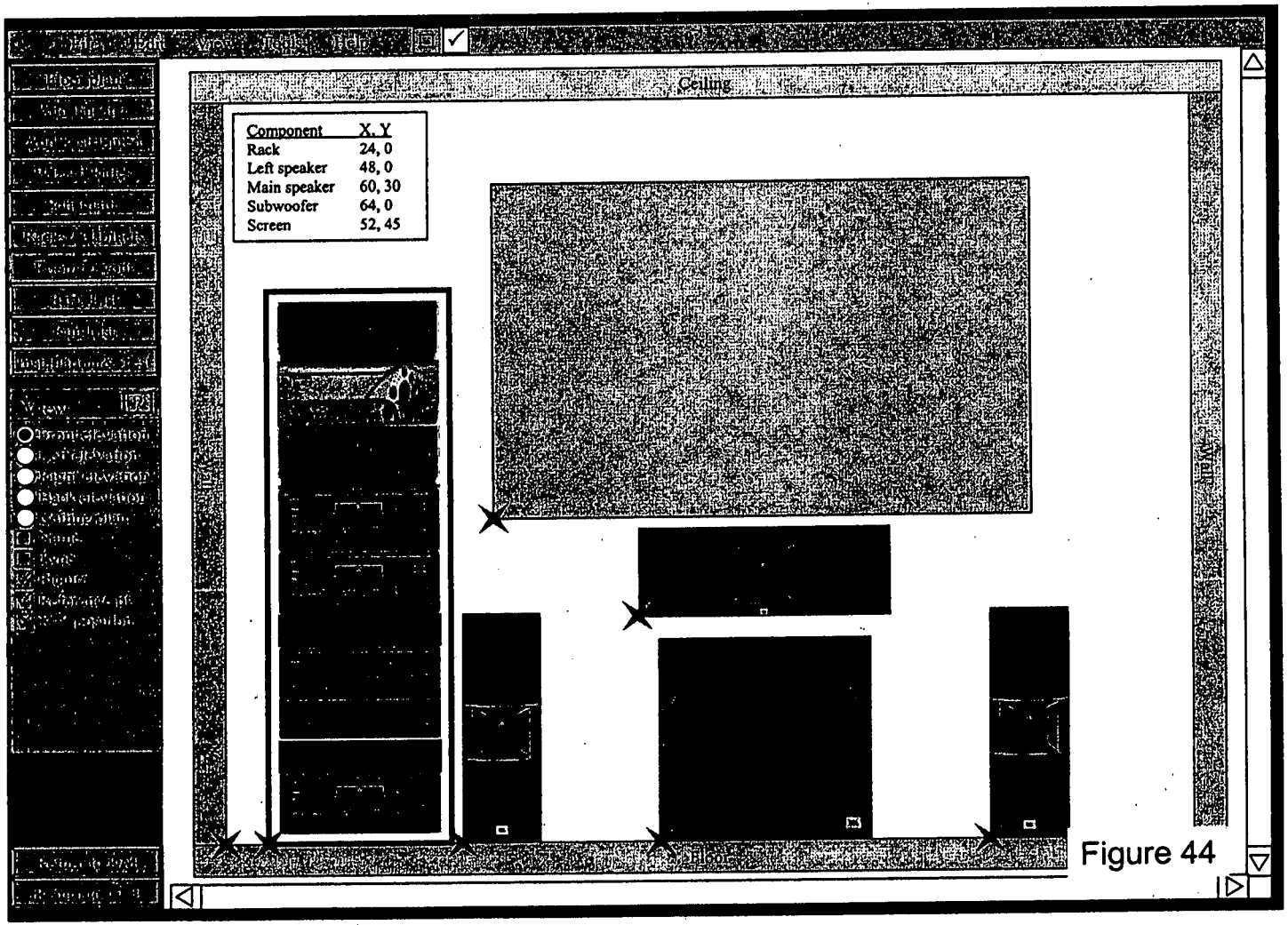

Ceiling
Component X, Y
Rack 24, 0
Left speaker 48, 0
Main speaker 60, 30
Subwoofer 64, 0
Screen 52, 45
Floor

Figure 44

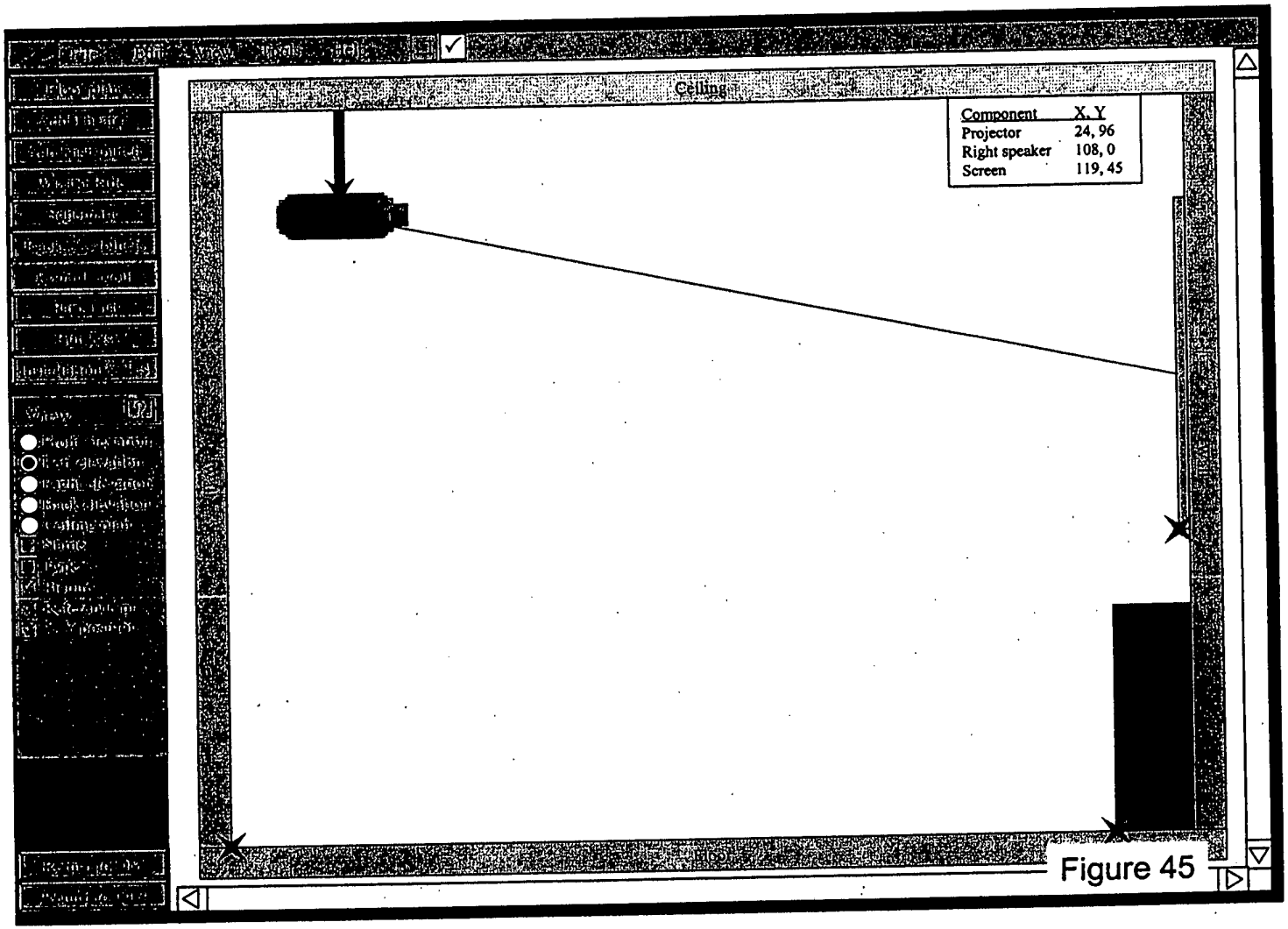

Ceiling
Component X, Y
Projector 24, 96
Right speaker 108, 0
Screen 119, 45

Figure 45

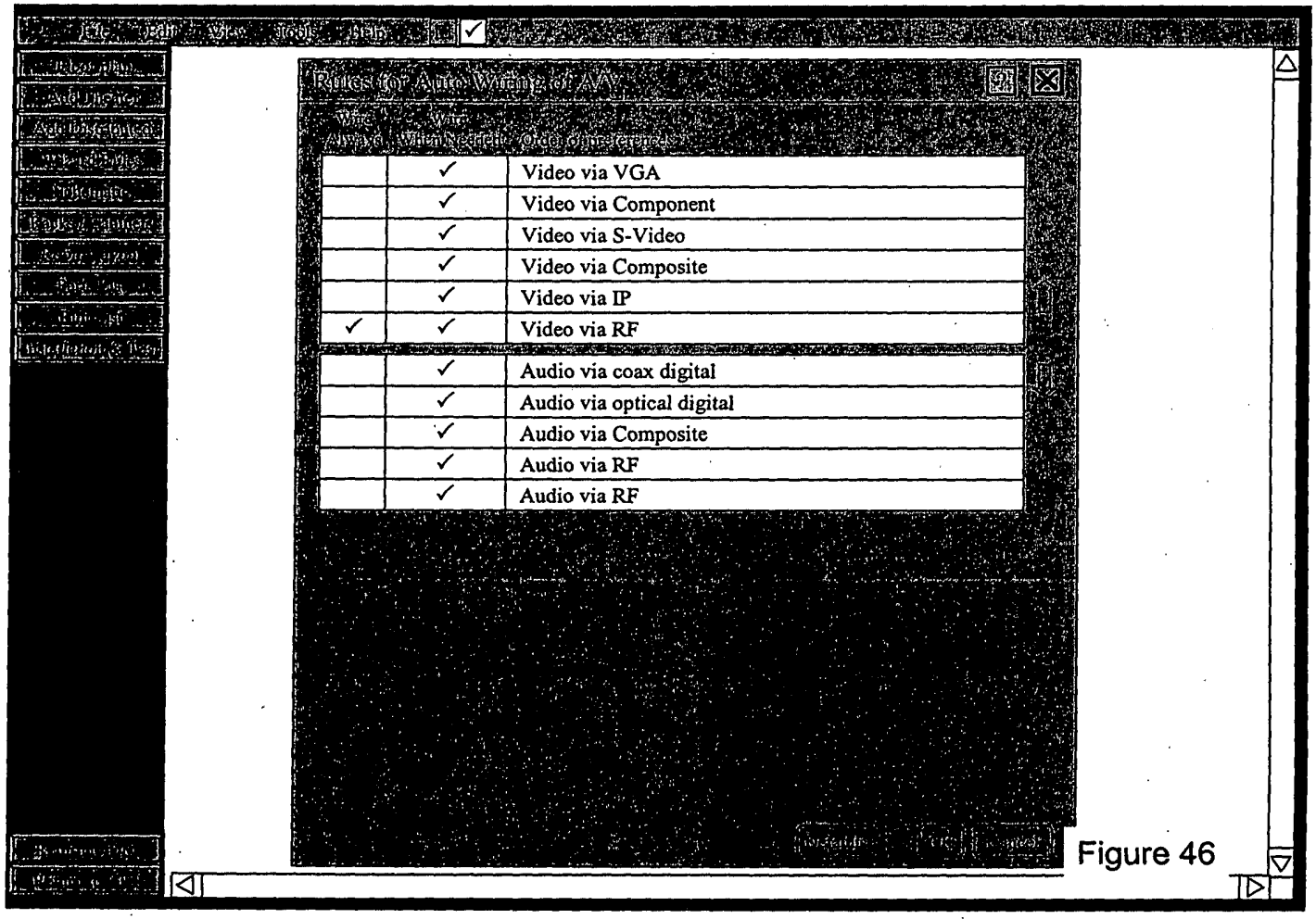

Rules for Auto Wiring of AA
Video via VGA
Video via Component
Video via S-Video
Video via Composite
Video via IP
Video via RF
Audio via coax digital
Audio via optical digital
Audio via Composite
Audio via RF
Audio via RF

Figure 46

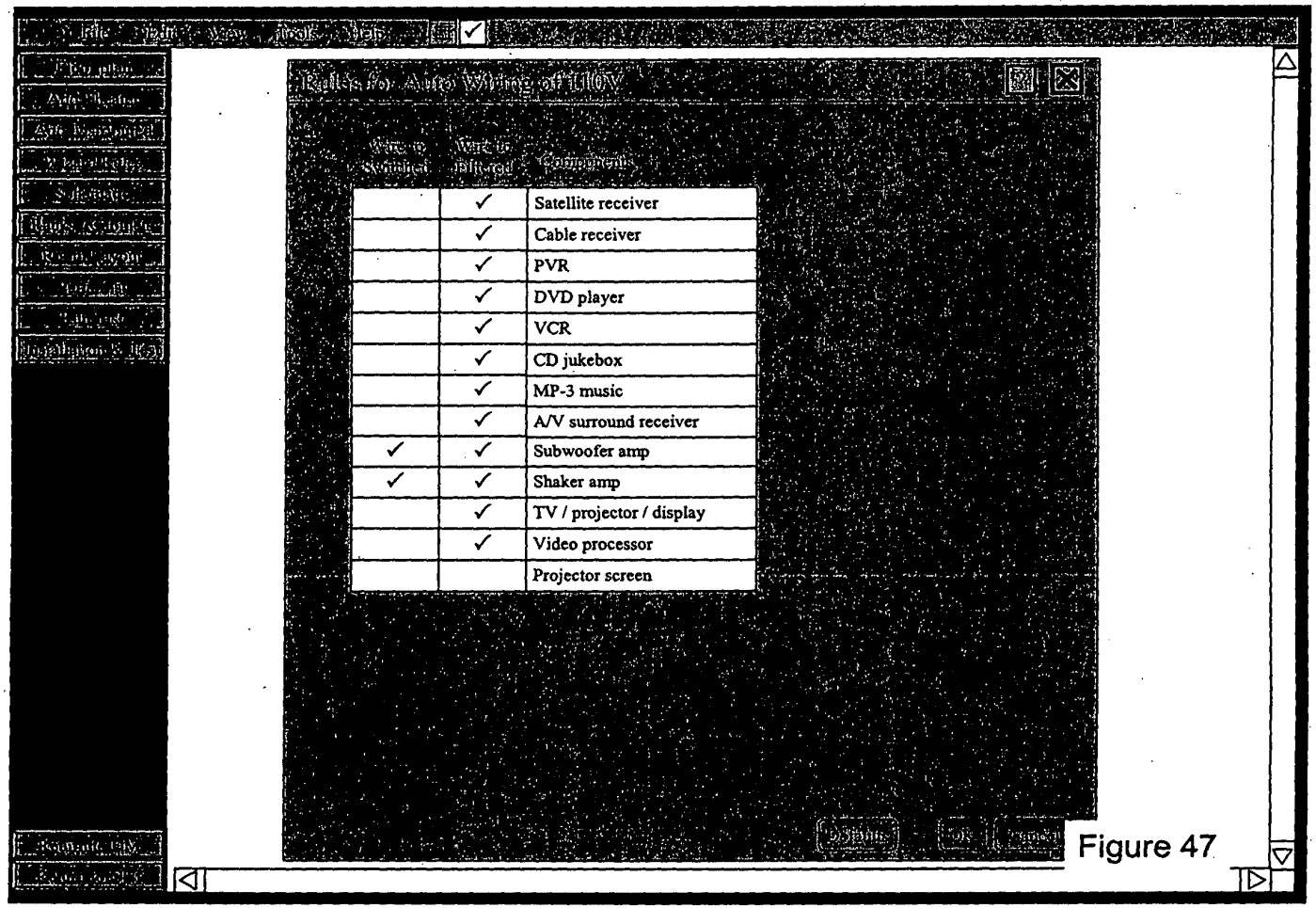

Rules for Auto Wiring of 110V
Satellite receiver
Cable receiver
PVR
DVD player
VCR
CD jukebox
MP-3 music
A/V surround receiver
Subwoofer amp
Shaker amp
TV / projector / display
Video processor
Projector screen

Figure 47

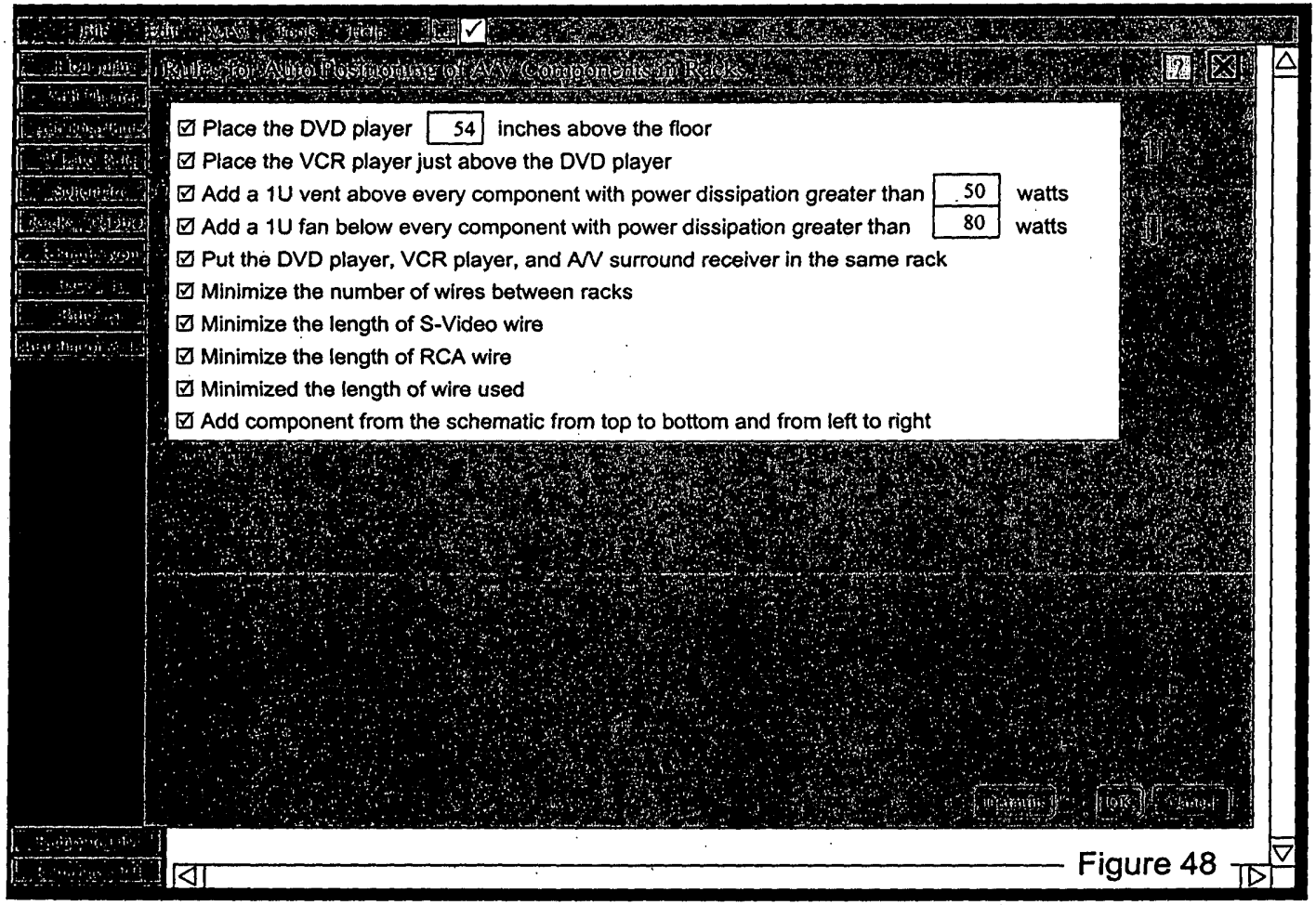

Rules for Auto Positioning of A/V Components in Racks
Place the DVD player 54 inches above the floor
Place the VCR player just above the DVD player
Add a 1U vent above every component with power dissipation greater than 50 watts
Add a 1U fan below every component with power dissipation greater than 80 watts
Put the DVD player, VCR player, and A/V surround receiver in the same rack
Minimize the number of wires between racks
Minimize the length of S-Video wire
Minimize the length of RCA wire
Minimized the length of wire used
Add component from the schematic from top to bottom and from left to right

Figure 48